



International Islamic University Chittagong

Department of Economics & Banking

Syllabus

*for 4 years BSS (Honors) Degree in Economics and Banking
Effective from Autumn-2022*

This OBE syllabus has been prepared as per recommendations made in the meeting of the Syllabus and Course Offering Committee of the Department of E&B held on 9th June, 2021 and also recommended by the 112th Academic Committee meeting held on 9th April, 2022.

As per recommendations made in the meeting of the Committee of Courses of the Department of E&B held on 7th August, 2021.

As per recommendations made in the 4th Faculty Meeting held on 21st May 2022, and IQAC meeting held on 30th March, 2022

As per recommendation of the 44th Academic Council meeting held on 31 October, 2021 and duly approved in the ----- Syndicate meeting held on __.__._____.

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Note.: There is one more course viz. VIVA 4700 which doesn't have any structured syllabus. Total number of courses shall be 51+1.

International Islamic University Chittagong
Faculty of Social Sciences
Department of Economics of Banking
Outcome Based Education (OBE) Curriculum

International Islamic University Chittagong (IIUC) is one of the top graded government-approved private universities in Bangladesh. Having fulfilled the requirements as laid down in the Private University Act of 1992, and after obtaining the necessary clearance from the University Grants Commission (UGC), and the permission of the Government of Bangladesh (GOB) through the Ministry of Education, **International Islamic University Chittagong (IIUC)** started functioning on **February 11, 1995**. The credit for the idea of establishing this University goes to Islamic University Chittagong Trust (IUCT).

IIUC framed its Statutes, Ordinances, and Regulations governing IIUC's key activities - academic, administrative, financial, student welfare, discipline, etc. as per the **Private University Act, 1992, 1998, and Amended Act, 2010**. Most statutory bodies formed under the provisions of the Act have since then been functioning.

1. Vision, Mission of the University

1.1 Vision Statement of University: The Vision of the International Islamic University of Chittagong (IIUC) is to offer nationally competitive and internationally recognized opportunities for learning to make this University as the Centre of Excellence in different areas of scholarship, like *Shari'ah* and Islamic Studies, Business Studies, Social Science, Science & Engineering, Arts & Humanities, Law, and such other faculties that will be introduced in future. Its door is open to the admission seekers from all over the world, regardless of race, region and religion. This university cherishes the dream of becoming one of the highest seats of learning and creator of knowledge in the South East Asia.

Mission Statement of University: The Mission of IIUC is to produce through the pursuit of education properly trained up manpower to contribute to socio-economic development and moral uplift of the society and to cultivate in our students' expertise as well as ethical sensitivity, intelligence and an ability to think independently beyond their areas of study so that they can sustain justice in all walks of life.

1.2 The objective of the University is to

- create a new generation of competent youths, who will be equipped with academic excellence, professional expertise and adorned with moral height.

- follow a policy of continued Modernization of Knowledge and academic curricula in different disciplines of education so that its students can imbibe the true spirit of religious value as an effective guiding principle in their profession and daily life.

1.3 The Motto of IIUC is to “Combine Quality with Morality.”

1.4. Teaching Methods and Policy of IIUC:

Methods: Outcome-based education (OBE) and Semester system of Continuous Quality Improvement (CQI) through self-examination and external review. In this process, students are evaluated throughout a course rather than exclusively by examination at the end. It is multidimensional based on students’ (a) attendance in the Classes, (b) performance in Assignments and Class Tests, (c) Scores in the Mid-term, and the Final Examination (d) Lab. Reports, (e) Thesis/ Project/ internship, (f) Seminar/Presentations (g) Viva-voce, (f) Industry visits (g) Co-Curricular and Extra-curricular activities.

Policy: The University is committed to the life-long success of students in its undergraduate and master's programs through high-quality instruction and learning experiences. IIUC has **an Integrated Education Policy**, where a student achieves holistic learning through awareness of his surroundings and other relevant knowledge bases. IIUC emphasizes the diffusion of scientific, technical, and professional knowledge on the one hand, & building up of character in youth by making religion and ethics an integral part of education on the other. In this regard, there are some courses for the students of all Faculties at IIUC. These are not a part of the Departments' main curriculum, but those are named as **University Requirement Courses (URC)**.

1.5 Morality Development Program (MDP): IIUC incorporates studies on the values of mutual respect & peaceful co-existence in the courses under the “**Morality Development Program (MDP)**,” which includes all students of the university irrespective of caste, creed, or religion.

1.6. Co-curricular and Extra-curricular activities: IIUC supports student participation in a broad array of *Co-Curricular and Extra-curricular activities* as an integral component of its commitment to student life and success. These programs mainly include leadership training, cultural, environmental, recreational, and social activities, debating & public speaking programs, intellectual discussions, games & sports, excursion, and study tours home & abroad to complement academic pursuits. Through these programs, students earn the capacity to express themselves properly, maintain the personality, and learn to respect people of other faiths through mutual understandings among various regions, religions, beliefs, and cultures. All Co and Extra-curricular activities are run by the clubs named after the Departments such as IIUC EB club, IIUC Computer club, IIUC Business club, etc.

1.7 Student Advisor: IIUC provides Academic Guidance and Counseling Service by the Student Academic Advisor of a section of students each semester. The students' Academic Guidance and Counseling Service is an integral part of the academic program of IIUC students. Its objective is to guide students to obtain the best results, adapt to the university environment, and take advantage of their opportunities and solve individual problems through counseling. A special arrangement has been made for Academic Guidance and Counseling at the University, in each department of IIUC, to provide academic career and student welfare counseling by the Student Adviser of the respective section of students under each semester, i.e., section adviser is the Student Academic Advisor for Academic Guidance and Counseling (Ref: the 207th Syndicate Meeting held on 27.01.2018). The Academic Adviser shall specify at least two periods a week that will be displayed in their timetable and ensure that they are available at their offices in specific periods to enable them to meet their advisers. The student adviser shall maintain a file for the students advising record each semester.

Job Placement Centre (JPC) of IIUC also helps the students, which covers (a) group and individual counseling, (b) career and job placement, (c) preserving CVs of the graduates, (d) advising & helping students to solve their career-related problems, etc.

1.8. Names of the Degree, Faculty offering the program and Department offering the Program

1.8.1 Name of the Degree: Four-year Bachelor (Hons) in Economics and Banking. The abbreviation of the degree is **BSS (Hons) in E&B**.

1.8.2 Name of the Faculty offering the Program: The Faculty of Social Sciences (FSS)

1.8.3. Name of the Department offering the Program: The Department of Economics and Banking

2. Mission and Vision of the Program

2.1 Vision Statement of the Program: Four year BSS (Hons) in Economics and Banking is a degree program under the Dept. of Economics & Banking. The vision of the program is to be a leader in the educational discipline of Economics and Banking through creative and hand-on learning experience that make our students ready for embracing opportunities and Challenges in a globally competitive world. We will, if Allah wills, remain caring to the diverse needs of all our stakeholders.

2.2 Mission Statement of the Program

The mission statements of this program are:

M1: Facilitating a shared learning environment that makes our students ready to be accountable and responsible leaders, entrepreneurs, managers and professionals and to practice enlightened values of citizenship

M2: Delivering a high quality, team-based undergraduate curriculum that integrates economics, finance and business disciplines in a way where social and moral commitments will be the corner stones for our students.

M3: Promoting lateral thinking and a spirit of enquiry among the students so that they look from a different angle through a creative approach by which they are able to provide simple solutions to complex economics and banking related problems.

M4: Strengthening the theoretical, practical and ethical dimensions of the learning process by fostering a culture of research and innovation among faculty members and students.

M5: Providing an in-depth knowledge to its students so that they add value to the existing treasures of banking and economics concepts.

3. Program Educational Objectives (PEOs)

This program works towards ensuring that all IIUC undergraduates who wish to enrich their education with Economics & Banking attain the true experience of the application of economics and banking activities.

This program offers accessible, high-quality education in Economics & Banking that prepares students with intellectual and professional skills, moral and ethical principles, and a global perspective at reasonable tuition fees. In particular, it provides comprehensive, systematic and research-oriented curricula in economics and banking.

Program Educational Objectives (PEO): Program educational objectives are broad statements that describe what graduates are expected to attain within few years (4 to 5 years) of graduation. Program educational objectives are based on the needs of the program's constituencies.

The Program Educational Objectives for Economics & Banking are as follows:

PEO1: Read, conceive and infer economic and banking aspects through – verbal, mathematical and graphical methods;

PEO2: Articulation of critical thinking to factual knowledge and the development of effective decision making skills in the discipline

PEO 3: Increase of an understanding of economic theories and their applications to the branches of economics and banking

PEO 4: Put on theoretical and/or demonstrative methods through econometric modelling and software skills

PEO 5: Nurture global human capital, future leaders and problem-solvers to become employable and sensitized world citizens

4. PEO to Mission Statement Mapping

No.	PEO Statement	Departments Mission Statements				
		M1	M2	M3	M4	M5
1	PEO1		√		√	
2	PEO2		√			√
3	PEO3					√
4	PEO4		√		√	
5	PEO5	√				

5. Program Learning Outcomes (PLOs) with Graduate Attributes

To accomplish the educational objectives and to fulfill accreditation criteria, the program **BSS in Economics & Banking (E&B)** provides the knowledge, experience, and opportunities necessary for students to demonstrate their attainment of the following outcomes:

1	PLO1	Analytical Skills/Problem-Solving: E&B students will effectively visualize, conceptualize, articulate, and solve complex problems or address problems that do not have a clear answer, with available information, through experimentation and observation, using economic & banking theory, as well as calculus and statistical tools.
2	PLO2	Critical Thinking: E&B students will apply econometric analysis to everyday problems helping them to understand events, evaluate specific policy proposals, compare arguments with different conclusions to a specific issue or problem, and assess the role played by assumptions in arguments that reach different conclusions to a specific economic or policy problem.
3	PLO3	Quantitative Reasoning: E&B students will understand how to apply empirical evidence to economic arguments. Specifically, they may obtain and/or collect relevant data, develop empirical evidence using appropriate statistical techniques, and interpret the results of such analyses.
4	PLO4	Specialized Knowledge and Practical Application: E&B students will develop deeper analytical, critical, and quantitative skills in specialized areas by applying economic and banking concepts to real-world situations.
5	PLO5	Interdisciplinary Knowledge, Diverse Issues, and Global Consciousness: E&B students will broaden their global and disciplinary knowledge, enhancing their understanding of the world around them both within economics and beyond.
6	PLO6	Communication and Leadership: E&B students will build skills to work as part of a team and lead others, ensuring they are prepared to navigate diverse audiences and situations

6. Mapping of PLOs with PEOs

	PEO1	PEO2	PEO3	PEO4	PEO 5
PLO 1		√		√	√
PLO 2	√				
PLO 3		√			
PLO 4	√	√			
PLO 5	√		√		
PLO 6					√

7. Admission requirements, Awarding marks for attendance, Grading System, Earned Credit, Category of Courses, Course Identification

7.1. Admission:

- 7.1.1 The four academic years of study for the degree of BSS (Hons) shall be designated as First Semester, Second Semester, Third Semester Fourth Semester, Fifth Semester, Sixth Semester Seventh Semester and Eight Semester in succeeding higher levels of study. Students shall generally be **admitted into the First Semester class**. In special cases students may be admitted into a higher semester class on the recommendation of the appropriate Equivalence Committee and Department concerned, only in case of transferred students.
- 7.1.2 An Admission Committee shall be formed as per statute of the University.
- 7.1.3 A candidate for admission into **the First Semester class** must have passed the HSC Examination (with a minimum **GPA** as decided by the Admission Committee) from a Board of Intermediate and Higher Secondary Education in Bangladesh (after 12 years of Schooling) from Business, Science or Humanities Background with Economics, Banking Business Principles and Implementation, and Mathematics or Accounting as his/her subjects of Examination of the Higher Secondary level or examination recognized as equivalent and must also fulfill all other requirements as may be prescribed by the Admission Sub-Committee of the University.
- 7.1.4 The rules and conditions for admission into **different departments** shall be framed by the Admission Committee of the University.
- 7.1.5 Foreign students also can get enrolled as per the provisions of foreign student enrollment. They must comply with the admission criteria relating to results and degree equivalence.
- 7.1.6 No student shall ordinarily be admitted after the class starts.
- 7.1.7 Admission of a newly admitted student in the First Semester class will be **cancelled** if he/she remains absent for **two consecutive weeks** after the start of class without

previous permission. However, students who have been issued an offer of admission may apply to defer the registration for maximum one academic year (i.e. 2 Semesters). The period of deferment will not be included in the total duration of their studies.

7.1.8 Admission test:

7.1.8.1 The admission test shall be conducted by the Faculty.

7.1.8.2 The admission Committee of the Faculty shall be formed as per guidelines given below:

(a) Dean of the Faculty as Chief Coordinator,

(b) All the Chairman of the Departments as Coordinator and

(c) One teacher from each member Department (nominated by the concerned Academic Committee) as Member.

7.1.8.3 The admission committee shall form other necessary sub-committee(s), appoint question setters and take other necessary decisions.

7.1.8.4 A merit list shall be prepared based on candidates' GPA in SSC/equivalent and HSC/equivalent examinations and admission test results, or as decided by the Central admission Committee.

7.1.8.5 Admission into different Departments of the Faculty shall be granted from the **single merit list** according to the position and choice of the candidate.

8. Transfer and Change of Department

8.1 **Admission Transfer:** A candidate seeking admission on transfer from other Institutes /Faculty or Universities should apply to the ACAD of the University. ACAD will refer the case to the **Chairman** of the Department concerned and also to the Equivalence Committee. On receiving the opinions of the Head of the Department and of the Equivalence Committee, the matter will be placed before the Pro-Vice-Chancellor. The Pro-Vice-Chancellor's decision will be communicated to the **Chairman** of the Department and the candidate

8.2 **Credits Transfer:** Students who have completed certain undergraduate course requirements and earned credits for that from other recognized institutions or universities or departments may apply for credit transfer, provided that they are similar and equivalent to the corresponding courses at IIUC. The relevant committee of IIUC will determine the equivalence of the courses. The maximum credit transfer allowed is 50% of the total credits required for graduation at IIUC. Students who wish to apply for credit transfer must do it with necessary documents before the commencement of a semester.

8.3 **Change of Department** is not allowed in general. However, under very special circumstances if a student wants to change a subject of study in First / Second Semester, prayer may only be considered by **the Dean of Faculty** after getting opinions from the

Academic Committee of the Departments concerned. No change will be allowed in other semesters.

9. Registration

- 9.1 All selected candidates are required to complete the registration after admission within the stipulated period for the specific semester in which they want to enroll. They are required to register courses by filling up the prescribed Registration Form (Available at ACAD) in each semester until they have fulfilled all graduation requirements. Without registration credits will not be counted.
- 9.2 The date and time of registration are provided in the Academic Calendar and a notice of registration will be circulated by Academic Affairs Division (ACAD).
- 9.3 All students must complete their registration within the workload/schedule given in consistence with the range of GPA of the immediate past semester and abiding by the workload policy.
- 9.4 Payment for registration is to be settled as per installments and period mentioned in the notice and **Registration Form is to be signed by authorized signatory of ACFD before submission to ACAD.**
- 9.5 **Late registration:** The registration after deadline may be allowed in extenuating circumstances on payment of late fine. After expiry of normal duration of registration, a specified period before one week of Mid-term (i.e. 5th week of the relevant semester) is declared for registration of unregistered students, which is called **late registration**.
- 9.6 **Deregistered:** If any student fails to complete the course registration within the deadline, he/she shall be considered as deregistered student for that particular semester and consequently, he/she shall be barred from attending any class or examination.
- 9.7
 - 9.7.1 **Adding and Dropping Courses:** Students may add course/s to, or drop course/s from that they have already registered. Dropped courses mean cancellation of the registration of the course in question, whereas added courses are considered registered.
 - 9.7.2 To add and dropped course/s, prescribed Add & Drop Form [available at Controller of Examination (CoE) office] must be filled up and submitted to the CoE within first week of the current semester with the recommendation of the academic advisor and the approval of the Head of the Department. The total number of credit hours after add and drop exercise must be in adherence with the academic workload policy.

- 9.8 9.8.1 **Withdrawal from Registered Courses:** Students may apply for the withdrawal of courses that they have already registered for. The withdrawal exercise may be done immediately after Mid-term (i.e. 7th to 8th week of the relevant semester).
- 9.8.2 The total number of credit hours after withdrawal must not fall below the minimum workload (i.e. 12 credit hours).
- 9.8.3 Prescribed withdrawal Form (available at CoE) must be filled up and submitted to the CoE within the period mentioned in the academic calendar with the recommendation of the academic advisor and the approval of the department.
- 9.8.4 A grade “W” is assigned to the courses that have been withdrawal. “W” is deleted from Final Transcript.

10. Attendance

- 10.1 In order to be eligible for appearing, as a regular candidate, at the semester final examinations, a student shall be required to have attended at least 70% of the total number of periods of lectures/tutorials/laboratory classes held during the semester in every **course** as defined in the curricula. The laboratory courses mean all laboratory/project/fieldwork/in-plant training and any other similar courses.
- 10.2 The **Courses** mentioned above shall mean a **course** of study as described in the curricula and it may be a theoretical or a laboratory **course**.
- 10.3 A student whose attendance falls short of **70%** but not a below 60% in any **course** as mentioned above may be allowed to appear at the final examinations as **non-collegiate** student. A student, appearing at the examination under the benefit of this provision shall have to pay per course, in addition to the regular fees, the requisite fine prescribed by the authority for the purpose.
- 10.4 Students having **less than 60% attendance** in lecture/tutorial/ laboratory of **any course will be declared as dis-collegiate. They will not allow appearing in that course** in the final examinations of the semester. They will get ‘F’ grade in the semester result.
- 10.5 An attendance report of the students shall be prepared by the concerned course teacher for his/her Class. The report will be posted for information of the students with a copy to **The Chairman** of the Department within three days of the **last** class of the **course**. Before the Mid-term examination attendance report will also be posted by the teacher to inform the attendance status of the students. Awarded marks for class attendance of the students shall also be prepared by the concerned course teacher and submitted to the Chairman of the Examination Committee, in a sealed envelope.

10.6 Attendance in Semester Final Examination:

10.6.1 A registered student is required to attend the Semester Final Examination of all courses registered for.

10.6.2 If any student is found absent without valid reasons acceptable to the University authorities, he/she will be deemed to have failed the course irrespective to marks obtained in his or her course (i.e. class test, assignment) and Mid-term Exam etc. An “X” grade, which is equivalent to “F”, will be recorded in the semester transcripts.

11. Re-admission and Withdrawal of Studentship

11.1 Existing students:

11.1.1 A student who is **dismissed on disciplinary ground** will not be considered for re-admission.

11.1.2 Consideration may be given to cases based on medical/emergency reasons and are excusable to the University authorities. The student will be re-admitted to the semester where the GPA is good standing.

11.1.3 The decision on the appeals for re-admission will be valid subject to University rule.

11.2 Conditions after Re-admission:

11.2.1 A re-admitted student should achieve a GPA of at least 2.00 in the first semester after re-admission and failure to do so will result in dismissal. No further appeal for re-admission will be considered.

11.2.2 A re-admitted student should normally carry a workload of not more than 12 (twelve) Credit Hours. He/she can carry a heavier workload only with the approval of the Head of the Department/Dean of the Faculty on the recommendation of the Academic Adviser.

11.3 Disciplinary Expulsion: A student who is expelled on disciplinary grounds cannot appeal for re-Admission.

11.4 Academic Dismissal:

11.4.1 A student shall be dismissed from the University if:

- He/she breaches any of the University regulations.
- He/she fails a course with a grade of (“F”, “X”, “Y”) on the fourth attempt.

11.4.2 The University also **reserves the right to debar**, suspend or dismiss any student from the University or any of its classes in academic or institutional interest, if any such step is deemed worthy and advisable.

11.5 Withdrawal from the University: Any enrolled student may withdraw his/her studentship from the University for good. An application has to be submitted to the Pro-Vice-Chancellor through the Head of the Department/Dean of the Faculty with the recommendation of the Academic Advisor and also with the parents/guardian,

stating the specific reason/s for withdrawal and student's last day of residence on campus.

12. Grading System

12.1 The letter grade system for assessing the course performance of the students shall be as follows:

Numerical grade Marks%	Letter Grade (LG)	Grade Point (GP/unit)	Remarks/ Status
80% and above	A+	4.00	Excellent
75% to less than 80%	A	3.75	Very good
70% to less than 75%	A-	3.50	
65% to less than 70%	B+	3.25	Good
60% to less than 65%	B	3.00	
55% to less than 60%	B-	2.75	Satisfactory
50% to less than 55%	C+	2.50	
45% to less than 50%	C	2.25	Pass
40% to less than 45%	D	2.00	
Less than 40%	F	0.00	Fail

The performance of a student will be evaluated in terms of semester grade point average (GPA) and cumulative grade point average (CGPA) which is the grade average for all semesters. To have graduation degree a student must obtain CGPA at least 2.5.

12.2 A **Semester Grade Point Average (GPA)** shall be calculated for each semester as follows:

$$\text{GPA} = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i} \quad (\text{i})$$

where, n is the number of courses offered during the semester, C_i is the number of credits allotted to a particular course and G_i is the grade point earned for that course.

12.3 The **Cumulative Grade Point Average (CGPA)** gives the cumulative performance of the students from the 1st semester up to the end of the semester to which it refers, and will be calculated as follows:

$$\text{CGPA} = \frac{\sum_{k=1}^m C_k G_k}{\sum_{k=1}^m C_k} \quad (\text{ii})$$

where, m is the total number of semesters being considered, C_k is the total number of credits registered during a semester and G_k is the GPA of that particular semester.

12.4 A Cumulative Grade Point Average (CGPA) shall be calculated at the end of each academic semester and to be communicated to the students along with the GPAs.

13. Marks and Credits Distribution

13.1 Distribution of Marks

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30 Marks
	SEE: Semester End Examination		50 Marks

	Basis for awarding marks for class participation and attendance:	
	Attendance	Marks/Unit
	90% and above	10
	85% to less than 90%	9
	80% to less than 85%	8
	75% to less than 80%	7
	70% to less than 75%	6
	65% to less than 70%	5
	60% to less than 65%	4
	less than 60%	0

13.2 Category of Courses

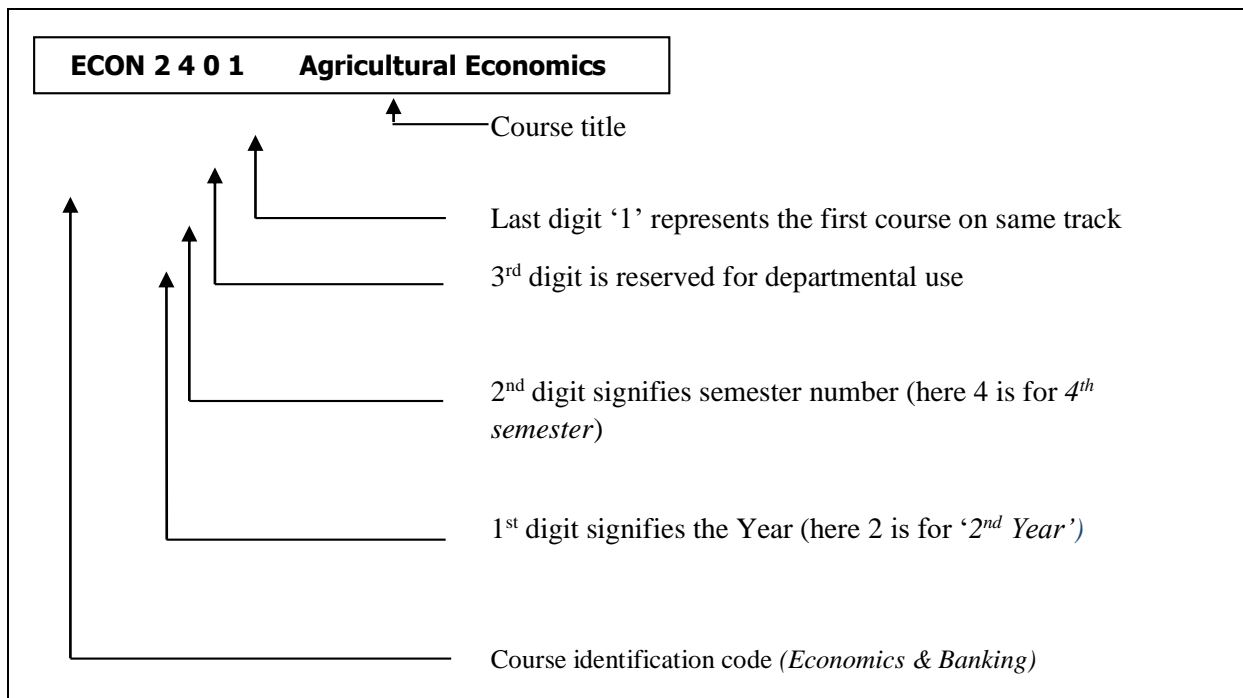
Category		No. of Courses	Name of Courses	Credit Hours
Non-economics (Interdisciplinary Courses)		6	Principles of Management, Principles of Accounting, Business Law, Marketing Management, Taxation and Zakat, Research Methodology	18
University Requirement Courses	Language	2	Advanced English, Bangla Language and Literature	19
	Arts, Humanities, & Social Sciences	9	Text of Ethics and Morality-I, Basic Principles of Islam, History of Emergence of Bangladesh, Sciences of <i>Qur'an</i> and <i>Hadith</i> , Text of Ethics and Morality-II, Political Thoughts and Social Behavior, Life and Teachings of the Prophet Muhammad (SAAS), A Survey of Islamic History and Culture, Bangladesh Studies, (Comparative Religion*),	
Core Courses	Basic Science & ICT	6	Mathematics - (I, II, III) & Statistics - (I, II, III)	18
		1	Computer Applications	3
	Social Science (E&B)	27	Courses directly related to Economics and Banking plus Viva (1 Credit Hour) and Internship	82
Total		51	-----	140

*Substitute to GEED-1201 and GEED-2302 (Only for Non-Muslims)

13.3 Semester-wise Summary of Courses

Semester	No. of Courses (Theory + Sessional)	Contact Hours/Week			Credit Hours		
		Theory	Sessional	Total	Theory	Sessional	Total
1 st	5	14		14	12		12
2 nd	5	14		14	14		14
3 rd	7	20		20	19		19
4 th	8	23		23	22		22
5 th	7	20		20	20		20
6 th	7	20		20	19		19
7 th	(7+1) = 08	20	1	21	19	1	20
8 th	(4+1) = 05	11	3	14	11	3	14
Total	(50+02) = 52	143	4	147	136	4	140

13.4 Course Designation: Each course is designated by a two to Five letter word usually identifying the course offering department followed by a four-digit number with the following criteria without any space between letters and numerical. (a) The first digit will correspond to the year in which the course is normally taken by the students, (b) The second digit will correspond the semester in which the course is normally taken by the students, (c) The third digit will be reserved for departmental use for such things as to identify different areas within a department (such as digit 0 and 1 for core courses, 2 for interdisciplinary, 3,5,7,9 for other groups) (d) The last digit stand for the order of course and ‘0’ for Board Viva voce and (e) The course designation system is illustrated by the following example.



13.4 (a) Introduction of BNQF and ISCED codes

A framework that describes the qualifications of *Bangladesh education system and how they are interlinked* is **BNQF** (*Bangladesh National Qualification Framework*). *The BNQF Part- B for Higher Education - January 2021*, is drawn up by UGC of Bangladesh and implemented by the BAC (Bangladesh Accreditation Council), a statutory autonomous body responsible for governance and management of the Framework.

There are five primary pillars in BNQF processes of which *a common classification system for subjects and occupational sectors* using the International Standard Classification of Education 2011, UNESCO's definition (<http://www.uis.unesco.org/Education/Documents/isced-fields-of-education-training-2013.pdf>) is the **fifth pillars** i.e., **ISCED code**.

The International Standard Classification of Education (ISCED) is a framework for assembling, compiling and analyzing cross-nationally comparable statistics on education. ISCED is a member of the United Nations International Family of Economic and Social Classifications and is the reference classification for organizing education programs and related qualifications by levels and fields of education. First developed in the mid-1970s by the United Nations Educational, Scientific and Cultural Organization (UNESCO), ISCED has been revised several times, including in both 2011 and 2013.

The 2013 revision focused on the fields of education and training (ISCED-F). The ISCED revisions are the product of international agreement and are adopted formally by the General Conference of UNESCO Member States.

Following are the main broad fields of **ISCED** Codes:

- i. 00 Generic programmes and qualifications
- ii. 01 Education
- iii. 02 Arts and humanities
- iv. 03 Social sciences, journalism and information
- v. 04 Business, administration and law
- vi. 05 Natural sciences, mathematics and statistics
- vii. 06 Information and Communication Technologies (ICTs)
- viii. 07 Engineering, manufacturing and construction
- ix. 08 Agriculture, forestry, fisheries and veterinary
- x. 09 Health and welfare
- xi. 10 Services

There are narrow field and detailed field for each broad field.

14. Semester wise Course Distribution (IIUC follows semester wise curriculum, there is no yearly system)

First Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
1.	0311	ECON-1101	Principles of Microeconomics	3		3		---	50%	50%	100%
2.	0541	MATH-1101	Fundamentals of Mathematical Economics	3		3		---	50%	50%	100%
3.	0611	COM-1101	Computer Applications	3		3		---	50%	50%	100%
4.	0231	GEEL-1103	Advanced English	3		2		---	50%	50%	100%
5.	0221	GEEM-1101	Text of Ethics and Morality- 1	2		1		---	50%	50%	100%
Sub Total				13		12					
Total credit hour for 1st Semester is - 12											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Second Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
	0311	ECON-1201	Principles of Macroeconomics	3		3		ECON-1101	50%	50%	100%
2.	0542	STAT-1201	Elementary Statistics	3		3		---	50%	50%	100%
3.	0412	BNKG-1201	Elementary Banking and Finance	3		3		---	50%	50%	100%
4.	0413	MGT-1201	Principles of Management	3		3		---	50%	50%	100%
5.	0221	GEED-1201	Basic Principles of Islam ('Aqidah+'Ibadah)	2		2		---	50%	50%	100%
Sub Total				14		14					
Total credit hour for 2nd Semester is - 14											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Third Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
	0311	ECON-2302	Intermediate Microeconomics	3		3		ECON-1101	50%	50%	100%
2.	0541	MATH-2302	Mathematical Economics	3		3		MATH-1101	50%	50%	100%
3.	0411	ACC-2301	Principles of Accounting	3		3		---	50%	50%	100%
4.	0412	BNKG-2302	Commercial Banking	3		3		---	50%	50%	100%
5.	0421	LAW-2301	Business Law	3		3		---	50%	50%	100%
6.	0221	GEED-2302	Sciences of Qur'an and Hadith	2		1		---	50%	50%	100%
Sub Total				19		20					
Total credit hour for 3rd Semester is - 20											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Fourth Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
	0311	ECON-2402	Intermediate Macroeconomics	3		3		ECON-1201	50%	50%	100%
2.	0542	STAT-2402	Statistical Analysis	3		3		---	50%	50%	100%
3.	0412	BNKG-2403	Central Banking	3		3		---	50%	50%	100%
4.	0311	ECON-2401	Agricultural Economics	3		3		---	50%	50%	100%
5.	0311	BDEC-2401	Bangladesh Economy	3		3		---	50%	50%	100%
6.	0414	MKTG-2401	Marketing Management	3		3		---	50%	50%	100%
7.	0232	GEEL-2401	Bangla Language and Literature	3		3		---	50%	50%	100%
8.	0221	GEEM-2402	Text of Ethics and Morality -2	2		1			50%	50%	100%
Sub Total				23		22					
Total credit hour for 4th Semester is - 22											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Fifth Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
1.	0541	MATH-3503	Mathematics for Economists	3		3		MATH-2302	50%	50%	100%
2.	0542	STAT-3503	Statistics for Economists	3		3		STAT-2402	50%	50%	100%
3.	0311	ECON-3501	Islamic Economics	3		3		---	50%	50%	100%
4.	0311	ECON-3502	Public Finance	3		3		---	50%	50%	100%
5.	0411	ACC-3502	Taxation and Zakat	3		3		---	50%	50%	100%
6.	0311	ECON-3503	Resource and Environmental Economics	3		3		---	50%	50%	100%
7.	0312	GEED-3503	Political Thoughts and Social Behavior	2		2			50%	50%	100%
Sub Total				20		20					
Total credit hour for 5th Semester is - 20											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Sixth Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
1.	0311	ECON-3601	Basic Econometrics	3		3		---	50%	50%	100%
2.	0311	ECON-3602	Economic Growth and Development	3		3		---	50%	50%	100%
3.	0412	FIN-3601	Project Management	3		3		---	50%	50%	100%
4.	0311	ECON-3603	International Economics	3		3		---	50%	50%	100%
5.	0412	BNKG-3604	International Finance and Banking	3		3		---	50%	50%	100%
6.	0412	BNKG-3605	Bank Fund Management	3		3		---	50%	50%	100%
7.	0222	GEHE-3601	History of Emergence of Bangladesh	3		3		----	50%	50%	100%

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8.	0221	GEED-3604	Life and Teachings of Prophet Muhammad (SAAS)	2		1		---	50%	50%	100%
Sub Total				20		19					
Total credit hour for 6th Semester is - 19											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Seventh Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
1.	0412	BNKG-4706	Credit Management	3		3		---	50%	50%	100%
2.	0412	BNKG-4707	Financial Investment and Security Analysis	3		3		---	50%	50%	100%
3.	0311	ECON-4701	Industrial Economics	3		3		---	50%	50%	100%
4.	0311	ECON-4703	Applied Microeconomics	3		3		---	50%	50%	100%
5.	0412	FIN-4702	Islamic Financial System	3		3		---	50%	50%	100%
6.	0542	RES-4701	Research Methodology	3		3		STAT-3503	50%	50%	100%
7.	0222	GEIH-4701	A Survey of Islamic History and Culture	2		1		---	50%	50%	100%
8.	0031	ECON-4700	Viva			1				100%	100%
Sub Total				20		21					
Total credit hour for 7th Semester is - 21											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

Eighth Semester

SL. No	ISCED Code	Course No.	Course Title	Contact Hour/Week		Credit Hours		Prerequisite Course	Marks		
				Th	Se	Th	Se		CIE	SEE	Total
1.	0311	BKNG-4807	Applied Macroeconomics	3		3		ECON-2402	50%	50%	100%
2.	0311	ECON-4802	Econometric Methods and Applications	3		3		---	50%	50%	100%
3.	0412	BNKG-4810	Islamic Banking and Takaful	3		3		---	50%	50%	100%

4.	0222	GEBS-4802	Bangladesh Studies	2		2		---	50%	50%	100%
5.	0031	INTP-4801/ THES-4802	Internship/Thesis		3		---	50%	50%	100%
Sub Total				12		15					
Total credit hour for 8th Semester is - 15											
***Th = Theory, Se = Sessional, CIE=Continuous Internal Evaluation (Mid-term=30, Attendance=10 Quizzes/Class test=10) = 50 Marks; SEE= Semester End Exam= 50 Marks											

14.1 CLO-PLO Mapping of Core Courses taught in the Dept. of Economics & Banking

SL	Courses			PLOs							
	ISCED Code	Course Code	CLOs	1	2	3	4	5	6		
1	0311	ECON-1101	1		√					√	
			2	√			√				
			3				√				
			4						√		
2	0541	MATH-1101	1		√						
			2	√							
			3				√				
			4				√				
			5						√		
3	0611	COM-1101	1	√							
			2				√	√			
			3	√	√						
4	0311	ECON-1201	1				√	√			
			2			√	√				
			3							√	
			4						√		
			5	√						√	
5	0542	STAT-1201	1	√			√	√			
			2			√					
			3				√				
			4				√				
6	0412	BNKG-1201	1	√	√		√				
			2	√			√	√			
			3				√		√	√	
7	0413	MGT-1201	1	√	√		√				
			2	√	√		√				
			3		√		√	√	√	√	
8	0311	ECON-2302	1		√		√	√			
			2	√							
			3							√	√
			4			√	√	√			
9	0541	MATH-2302	1		√						
			2	√							
			3		√						
			4				√				

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			5				√		
10	0411	ACC-2301	1	√					
			2				√		
			3			√			
			4	√					
11	0412	BNKG-2302	1	√	√	√			
			2		√	√			
			3		√				
			4		√				
			5					√	√
12	0421	LAW-2301	1	√			√	√	
			2		√		√		
			3			√	√	√	
			4				√	√	
			5			√		√	
13	0311	ECON-2402	1	√	√	√			
			2	√	√		√		
			3		√	√			
			4		√	√	√		
14	0542	STAT-2402	1	√					
			2		√				
			3			√			
			4			√			
15	0412	BNKG-2403	1	√	√				
			2	√	√				
			3			√	√		
			4			√	√		
			5			√	√		
16	0311	ECON-2401	1	√				√	
			2		√	√			
			3			√	√		
			4				√		
17	0311	BDEC-2401	1	√	√	√			
			2	√	√		√	√	
			3		√	√			
			4		√		√		
18	0414	MKTG-2401	1	√				√	
			2		√	√			
			3		√	√			
			4			√	√		
			5					√	
19	0541	MATH-3503	1	√	√		√		
			2		√				
			3			√	√		
			4			√	√		
			5			√	√	√	
20	0542	STAT-3503	1				√		
			2	√					
			3	√					
			4			√			
			5			√			
21	0311	ECON-3501	1	√					

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			2			√	√		
			3	√		√			
			4			√	√		
			5	√					
22	0311	ECON-3502	1	√	√				
			2	√	√				
			3		√		√		
			4	√	√		√		
			5	√		√		√	
23	0411	ACC-3502	1	√			√		
			2		√		√		
			3		√		√		
24	0311	ECON-3503	1	√					
			2		√				
			3			√			
			4		√				√
			5			√		√	
25	0311	ECON-3601	1	√			√		
			2			√	√		
			3	√		√	√		
			4			√	√	√	
			5	√		√	√	√	
26	0311	ECON-3602	1	√					
			2			√			
			3				√		
27	0412	FIN-3601	1				√		
			2					√	
			3		√				√
			4		√				
			5	√		√			√
28	0311	ECON-3603	1	√					
			2		√				
			3			√			
			4	√			√		
			5					√	√
29	0412	BNKG-3604	1	√				√	
			2				√		
			3				√		
			4		√				
			5	√		√			
30	0412	BNKG-3605	1	√	√		√		
			2			√	√	√	
			3			√			
31	0412	BNKG-4706	1	√					
			2		√	√	√	√	√
			3	√	√		√	√	
			4		√		√	√	
			5	√	√			√	
32	0412	BNKG-4707	1				√		
			2					√	
			3		√				
			4			√		√	

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			5					√	√
33	0311	ECON-4701	1			√			
			2	√					
			3		√				
			4					√	
			5				√		
34	0311	ECON-4703	1	√			√		
			2	√	√				
			3		√	√			
			4		√		√		
			5		√	√			√
35	0412	FIN-4702	1	√	√				
			2	√	√	√			
			3			√			
			4			√	√		
			5			√	√		
36	0542	RES-4701	1	√					
			2		√				
			3			√			
			4			√			
			5				√		
37	0311	ECON-4807	1	√					
			2	√		√	√		
			3			√	√		
			4	√		√			
			5	√					
38	0311	ECON-4802	1	√					
			2		√	√	√		√
			3		√		√		√
			4		√		√	√	
			5	√	√			√	
39	0412	BNKG-4808	1					√	
			2		√		√	√	
			3	√					
			4		√				
			5	√					√

15. Description of all Courses (Course Outline) of the program

Principles of Microeconomics

ISCED Code: 0311

Course Code: ECON-1101

Course Title: Principles of Microeconomics

Credit Hour: 03

Contact Hour: 03 hours per week

Pre-requisite: Nil

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Course Objectives: This course will serve students with a basic understanding of the basics of microeconomics. At its core, the study of economics deals with the choices and decisions we make to manage the scarce resources available to us. Microeconomics is the branch of economics that pertains to decisions made at the individual level, such as the choices individual consumers and companies make after evaluating resources, costs, and tradeoffs.

B. Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom’s taxonomy domain/level
CLO-1	Explain the major ideas that lie at the heart of economics and define two different nature of economic theories-micro and macro.	PLO-2, 6	Cognitive/ Understanding
CLO-2	Recognize, interpret, and utilize a supply curve and a demand curve, and shall be able to identify the underlying determinants of each. He/she will be able to differentiate between a change in demand/supply and a change in the quantity demanded/supplied.	PLO-1, 4	Cognitive/ Understanding
CLO-3	Define the general concept of elasticity for different variables in the demand or supply function (price, cross, income) and shall be able to describe the effect of a given elasticity on economic outcomes	PLO-3	Cognitive/ Applying
CLO-4	Analyze the concept of utility and the effect of total utility, marginal utility, and also shall be able to show the differences between cardinal utility and ordinal Utility. Explain theory of production accurately	PLO-5	Cognitive/ Applying

C. The Course Contents:

Sl NO	COURSE CONTENT	Hrs	CLOs
Section-A (Mid-term: 30 Marks)			
01	Introduction: Meaning of Economics: Positive vs. Normative Economics. The Economic Problem: Scarcity, Choice, Allocation of Resources, Distribution of national Products, Economic Efficiency, and Nature of Economic theories- Micro vs. Macro Economics, Opportunity cost, Production Possibility curve, The Functions of microeconomic theory. Alternative Economic System- Planed Economic System, Market Economic System, Mixed Economic System, Islamic Economic System.	9	CLO-1, CLO-2
02	Theory of Demand & Supply: The Demand Function, Determinants of Demand for a commodity, Demand curve- Movement along the Demand curve versus Shifts in Demand, Market Demand, Supply Function- Determinants of Supply- Movement along the Supply curve versus Shifts in Supply Curve, Market Supply, Market Equilibrium: Determination of Price and Quantity, Shifts in Demand and Supply and Effects on Market Equilibrium. Consumer's Surplus and Producer's Surplus.	9	CLO-3
Section-B (SEE-50 Marks)			
03	The Measurement of Elasticity: Concept of elasticity, Elasticity of Demand, Various Concepts of Demand Elasticity- Price, Income & Cross elasticity of demand, Measurement of Elasticity and its Uses. Price, Total Revenue/ Expenditure and Elasticity. Theory of Consumer Behavior: The Concept of Utility: Total Utility, Marginal Utility, And Cardinal vs. Ordinal Utility. A. Cardinal Utility Analysis- Marginal Utility and Law of Diminishing Marginal Utility, Consumer's Equilibrium and Derivation of the Demand curve. Equi-marginal Utility Principle and Consumer's Equilibrium	9	CLO-4
04	B. Ordinal Utility Analysis: Indifference Curve analysis, The Marginal rate of Substitution, Properties of Indifference Curve, The Budget Line, Consumer Equilibrium, Effects of Price and Income Change on Consumer equilibrium, Decomposition of Price Effect into Income Effect and Substitution Effect. Derivation of Marshallian Demand Curve	9	CLO-4
05	Theory of Production: Production Function (PF), Short-run PF, Long-run PF, Total Product, Average Product, Marginal Product, Law of Variable Proportion: Three Stages of production & Producer's Rational Decision , Iso-Quant and its Properties, , Iso-Cost line and its Properties, Producer	9	CLO-4

	Equilibrium (Production Maximization vs. Cost minimization), Returns to Scale.		
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D. TEXT BOOKS

- Saiful Islam, M. (2017) MICROECONOMICS with Simple Mathematics, Published by: University Grants Commission (UGC), Bangladesh
- Samuelson, A. Paul, and D. William Nordhaus. (2010), *Economics*. Ed.19th McGraw-Hill, USA
- Blinder, A. & Baumol, W. (1993). *Economics: principles and policy*. Ed. 12th, Cambridge Mass., San Diego.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Fundamentals of Mathematical Economics

ISCED Code: 0541

Course Code: MATH-1101

Course Title: Fundamentals of Mathematical Economics

Credit: Hour: 03

Contact Hour: 3 hours per week

Pre-requisite: Nil

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Course Objectives: After the successful completion of MATH 1101, the students will have the proper knowledge and ideas about mathematical economics. It will help get the relevant mathematical knowledge of economics. To pave the way, they will have enough idea about set theory and real numbers. They will be able to analyze the general equilibrium market model. It will help the students to comprehend the basic concepts of comparative static analysis.

B. Mapping of CLO to PLO and Blooms Taxonomy

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLOs	Bloom's taxonomy domain/level
CLO-1	Analyze an introduction to mathematical tools and techniques that are frequently used in microeconomics, macroeconomics, finance and operations.	PLO-2	Cognitive/ Analyzing
CLO-2	Construct and interpret mathematical as well as economic models.	PLO-1	Cognitive/ Applying
CLO-3	Express the different statements in economics in set notations, functions and relations.	PLO-3	Cognitive/ Applying
CLO-4	Solve market models and national income models by algebraic method.	PLO-3	Cognitive/ Applying
CLO-5	Understand derivatives as a representation of marginalists thinking.	PLO-4	Cognitive/ Understanding

C. The Course Contents:

Sl NO	COURSE CONTENT	Hrs	CLOs
Section-A (Mid-term: 30 Marks)			
1	<p>Introduction Mathematical economics, Advantages of mathematical economics, Mathematical economics vs. non-mathematical economics</p> <p>Models 1. Model building</p>	9	CLO 1 &

	<p>2. Ingredients of models: Variables, constants, coefficients, parameter</p> <p>3. Equation: Definition and types</p> <p>Real Number System Integer, fraction, rational number, irrational number and unreal number</p>		CLO 2
2	<p>Concept of Sets</p> <ol style="list-style-type: none"> 1. Definition and examples of sets 2. Types of sets: Finite and infinite sets, subset, real/ proper subset, power set, disjoint set, null set, universal set 3. Operations of sets: Union, intersection, difference between two sets, compliment of a set 4. Laws of set operations: Commutative, associative and distributive laws, unordered and ordered pairs, the Cartesian product <p>Functions</p> <ol style="list-style-type: none"> 1. Definition, intercept and slope of a function, domain and range 2. Limits and continuity of a function 3. Diagrammatic representation of functions 4. Functions of two or more independent variables, function vs. relation 	9	CLO 3
Section-B (SEE-50 Marks)			
3	<p>Equilibrium Analysis in Economics</p> <ol style="list-style-type: none"> 1. The meaning of equilibrium 2. Partial market equilibrium : Linear and nonlinear models 3. Market model(continued) 4. General market equilibrium 5. Equilibrium in national-income analysis <p>Comparative Static Analysis</p> <ol style="list-style-type: none"> 1. Nature of the comparative statics 2. Rate of Change: the difference quotient and the derivative 	9	CLO 4
4	<p>Comparative Static Analysis (Differentiation) Rules of differentiation: Constant function rule, power-function rule, sum-difference rule</p> <p>Comparative Static Analysis (Partial Differentiation)</p> <ol style="list-style-type: none"> 1. Partial derivatives: Meaning of partial derivatives 2. Partial derivatives of two independent variables 3. Partial derivatives of more than two independent variables 	9	CLO 5
5	<p>Application of Derivatives</p> <ol style="list-style-type: none"> 1. Differentials and total differentials 2. Total derivatives <p>Elasticity of demand Price elasticity of demand, cross-price elasticity of demand and income elasticity of demand</p>	9	CLO 5

D. Reading Materials:

Textbook

- Chiang, A. C. (2005). Instructor’s Manual to accompany Fundamental Methods of Mathematical Economics. *Mc GrawHill, Inc.*

Reference Book:

- Allen, R.G.D., (1976), Mathematical Economics, 2nd Edition, Macmillan, London

E. Course Assessment Pattern (Theory courses):

Bloom’s Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom’s category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom’s categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Computer Applications

ISCED Code: 0611

Course Code: COM-1101

Course Title: Computer Applications

Credits: 03

Contact Hours: 03

Total Marks: 100; Pre-requisites: N/A

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

In this course student will learn the basics of computer and its applications in economics and banking. This course prepares the students with the knowledge in understanding the introduction of Computer. In today's information age, computers are being used in every occupation. It familiarizes the students with the practices of application of computer in various business sectors today.

B. Course Outcomes and Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

After completing the course, the students will learn how to use the computer as a business and personal tool through the use of applications software. Analyze the basic idea of data, information and knowledge of computer. The student will perform activities using integrated software programs and internet and also able to have a number of advantages for his career.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO-1	illustrate the basic idea of computer, organization of computer and application of computer in economics and banking and to explain various functional unit of computer, ALU, I/O devices, memory devices and their importance in application of computer, Number system, computer Codes and logic gate to design basic circuit blocks of computer.	PLO-1	Cognitive/ Understanding
CLO-2	Analyze the concept of program, programming, language, software, types of software, operating system, data communication and computer	PLO-3, 4	Cognitive/ Analyzing

	networks, internet, uses of internet in business and banking sector.		
CLO-3	To learn Practical knowledge on basic computer operations MS office XP, Excel, and multimedia power point.	PLO-2, 1	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section-A (Mid-term: 30 Marks)			
1	Introduction: Definition of computer; difference between calculator & computer, Classification of computers based on uses/users; Basic idea of data, information & knowledge, Computer generation; Need for a computer; Applications of computers in Economics and Banking.	3	CLO1
2	Computers Architecture and Peripherals: Basic organizations of a computer, CPU, ALU, memory, I/O devices, keyboard, mouse & Scanner, video display units – CRT, LCD, LED, printers and Plotters, Data storage and retrieval, hard disk and CD ROM.	6	CLO2
3	Number System: Positional Number System – Decimal, binary, octal and hexadecimal, Non-positional number system: For example, Roman Number system; Write 2014 in Roman Scripts, Conversion among different number systems, Necessity of binary numbers, Addition of binary numbers.	6	CLO2
Section-B (SEE-50 Marks)			
4	Computer Codes & Logic Gates: basic idea about BCD, EBCDIC, ASCII, Unicode, Conversion between BCD and Decimal, Definition of NOT, OR, AND, NAND, NOR, XOR gates with Truth Tables, Why NAND and NOR gates are called universal gates?	6	CLO2
5	Computer Networks: Computer networking and resource sharing, Application of Network, Goals of Network, Types of Network, Network topology and protocols.	3	CLO3
6	Computer software: Software and firmware, Introduction to Operating system, Types of operating System (DOS, Vista, Windows 7, Window 8), System software and application software, Common utility software and their benefits in Economics and Banking.	6	CLO3

7	Business and Communications: Introduction to Internet and emails, Application of Internet in business and communications, Search engines, retrieval of important information from web sites on Economics, E-commerce, Online Banking, Electronic trading	3	CLO3
8	Programming Basic idea: Programming languages, High level and machine level languages, Generations of computer languages, Compiler and Interpreter, Algorithm, Flow chart.	3	CLO4
9	MS Office: Word: Preparation of report/assignments; PowerPoint: Preparation and presentation of ppt slides, Excel: Concepts of spreadsheet, estimating demand and supply curves from respective schedules, indifference curve, and pie chart, Writing and running commands for ordinary addition, subtraction, multiplication, division, and average.	9	CLO4

D. Learning Resources

1. Text Books
 - Sinha, P. K., & Sinha, P. (2010). Computer Fundamentals (Vol. 4).BPB publications. India
 - Norton, P. (1996). Peter Norton's introduction to computers. Glencoe/McGraw-Hill, USA
2. Reference Book(s)
 - Ken Laudon, Jane Laudon and Rajanish Das, “Management Information System- Managing the Digital Firm” (**Eleventh Edition-2010**).

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Text of Ethics and Morality-1

ISCED Code: 0221

Course Code: GEEM-1101

Course Title: Text of Ethics and Morality-1

Credit: 1 Cr. Hr

Contact: 2 Hours per week

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Course Objectives: The main objectives of this course are:

To make students capable of understanding the text of the Holy Qur'an so that they can understand the rules of ethics from the main and basic ethical book as well as to make students capable of understanding the basic Arabic language so that they can communicate with the foreign countries and be fit with labor market worldwide especially in the Middle East. To inspire students in reading the Holy *Qur'an*, which is the complete code of life. To make students familiar with *Ayats* of *Ahkam* of the Holy *Qur'an* so that they can lead their life being enlightened with them.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding IIUC Mission	Bloom's taxonomy domain/level
CLO1	Understand the text of the Holy Qur'an as well as the basic Arabic language to communicate easily in the job market globally.	IIUCMS-1	Cognitive/ Understanding
CLO2	Understand the rules of ethics and morality from the basic ethical book –the holy Quran.	IIUCMS-1	Cognitive/ Understanding
CLO3	Achieve knowledge on the various legal issues that are depicted in Qur'anic texts related to different laws of human life as well as able to save themselves from any evil activity, which boost up morally throughout their professional life.	IIUCMS-3	Cognitive/ Applying

Course Contents:

Chapter	<u>Section-A (Midterm Exam: 30 Marks)</u>	Number of Lectures	CLOs
1	1. An introduction to the text of Ethics and Morality.	04	CLO1

	<ol style="list-style-type: none"> 2. Selected text on the introductory chapter of a valuable Ethical Book - the holy Qur'an 3. An introduction to Arabic language. 4. Identifying the forms of Arabic alphabet with example. 		
2	<ol style="list-style-type: none"> 1. Selected text on procreation of the creation of humankind: 22:5 2. Selected text on Islamic monotheism: 2: 1-5; 112: 1-4 3. Text on ensuring social peace by removing bad behavior 49:10-12 4. The sun letters and the moon letters 5. Arabic numbers and common Arabic words used in daily life. 6. Arabic prepositions. 	06	CLO1
3	<ol style="list-style-type: none"> 1. Selected text on duties and obligations towards family and relatives = 4: 34-36. 2. Selected text on the transition of human life: 10:24. 3. Selected text on the rule of livelihood = 2: 172- 174, 5:3-5. 4. Exercise of Arabic demonstrative pronouns. 	04	CLO2
Section-B (SEE: 50 Marks)			
4	<ol style="list-style-type: none"> 1. Selected text on the rule and impact of interest (<i>al-riba</i>) and loan = 2: 275-279. 2. Selected Text on the rules and impact of drug and gambling =5: 90-91 3. Exercise of Arabic interrogative pronoun. 4. The name of days and months in Arabic. 5. Formation of Arabic word 	05	CLO2 CLO3
5	<ol style="list-style-type: none"> 1. Selected Text on the rules and ethical directions of marriage, <i>mahr</i> and veil: 4: 2-4; 24: 30-31, 33:59. 2. Text on the rule and ethical directions of divorce 2:227-230 6. The names directions in Arabic. 3. Formation of verb in Arabic. 	03	CLO1 CLO2
6	<ol style="list-style-type: none"> 1. Formation of particle in Arabic. 2. Selected text on the sermon of a father to his son =31:13-19. 	02	CLO1
7	<ol style="list-style-type: none"> 1. Selected text on the characteristics of human beings = 23:1-11; 25: 63-76 	02	CLO1
8	<ol style="list-style-type: none"> 1. Formation of Arabic sentence. 2. Conversation in Arabic: 'Yourself'. 	04	CLO1
		30	

Text Books:

<ol style="list-style-type: none"> 1. Abbott, N., Studies in Arabic literary papyri II, Qur'anic commentary and tradition, Chicago: University of Chicago, 1967. 2. Dr. M. Fazlur Rahman, Everyday Arabic Conversation, Riyad Prokashani, Dhaka, 2005. 3. Haleem, M. A., Understanding the Qur'an: themes and Style, London: I. B. Tauris, 1999. 4. Izzath Uroosa, Learning Arabic Language of the Qur'an, Darussalam, Riyadh, 2010. 5. Saheeh International, The Qur'an Arabic Text with Corresponding English Meanings, Jeddah, Saudi Arabia, 1997.
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Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Advanced English

ISCED Code: 0231

Course Code: GEEL-1103

Course Title: Course Title: Advanced English

Credits: 2 Cr Hr.

Contact Hours: 3 Cont. Hr.

Course Assessments	CIE:	Attendance	10 Marks
	Continuous Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Rationale of the Course: Students need to study this course so that they can achieve the following objectives-

1. Developing four basic skills of English (i.e. Listening, Speaking, Reading and Writing) to a level that the students can comprehend lectures given in English, comprehend literary, non-literary, formal and informal texts and communicate effectively both orally and in written form.
2. Getting prepared for IELTS/TOEFL exams so that students can take these exams for their higher study abroad.
3. Improving comprehending capability of English language and communication skill by practicing in the classroom and by doing home works.
4. Developing confidence in their own speaking and writing, which will be provided by teaching them essential grammatical points so that they can identify the errors and correct the same themselves.

SL	Course Learning Outcomes (CLOs) : Upon the successful completion of the course, students will be able to :	Corresponding IIUCMS	Bloom's taxonomy domain/level
CLO1	To acquire four skills of English language and overcome language barriers in applying the business related knowledge in both educational and professional life.	IIUCMS-1,2&3	Cognitive/Remember
CLO2	To follow the lectures given in English and to write the answers in internal examinations in correct English so that they can get good grades in the examinations which will eventually help them shine in the business world.	IIUCMS-1,2&3	Cognitive/Understand
CLO3	To understand text books and other reference books of banking, economics and business so that they can acquire substantial knowledge about different aspects of business. To communicate in different situations while dealing with business and banking related matters.	IIUCMS-1,2&3	Cognitive/Apply
CLO4	To acquire capability of writing business related documents in correct English with sufficient confidence To get prepared for all examinations connected with business studies and finance home and abroad.	IIUCMS-1,2&3	Cognitive/Create

	<p>From the following text:- Exercises in Reading Comprehension Edited by: E.L. Tibbits Longman Group Limited, Longman House Burnt Mill, Essex, UK Activities: Vocabulary (synonym/antonym/formation of sentences with words/filling in the gaps, finding synonyms from the passage, summarizing the passage, finding use of grammatical points in the passage, answering short questions, talking about the content of the passage, creating dialogues using the contents of the passage and so on) Students will also practice reading passages of IELTS reading module from the following link: https://www.ielts-up.com/reading/ielts-reading-practice.html#academic</p>	3	
<u>8</u>	<p>Chapter-8: (Reading part) Sections:14B,14C ,15B, From the following text:- Exercises in Reading Comprehension Edited by: E.L. Tibbits Longman Group Limited, Longman House Burnt Mill, Essex, UK Activities: Vocabulary (synonym/antonym/formation of sentences with words/filling in the gaps, finding synonyms from the passage, summarizing the passage, finding use of grammatical points in the passage, answering short questions, talking about the content of the passage, creating dialogues using the contents of the passage and so on) Students will also have to read the extracts from business and banking text books and reference books with a view to being acquainted with language patterns as well as business and banking terms used in the arena of business studies and banking.</p>	3	1 &3
<u>9</u>	<p>Chapter-9 (Reading part) Sections:15C,16A ,16C, From the following text:- Exercises in Reading Comprehension Edited by: E.L. Tibbits Longman Group Limited, Longman House, Burnt Mill, Essex, UK Activities: Vocabulary (synonym/antonym/formation of sentences with words/filling in the gaps, finding synonyms from the passage, summarizing the passage, finding use of grammatical points in the passage, answering short questions, talking about the content of the passage, creating dialogues using the contents of the passage and so on) In order to be acquainted with the sentence structures used in business documents students will have to read business and banking related articles in national and international journals.</p>	3	1 &3
<u>10</u>	<p>Chapter-10 (Reading Part) Sections:17C,18B ,18C, From the following text:- Exercises in Reading Comprehension Edited by: E.L. Tibbits Longman Group Limited, Longman House,</p>	3	1 &3

	<p>Burnt Mill, Essex, UK</p> <p>Activities: Vocabulary (synonym/antonym/formation of sentences with words/filling in the gaps, finding synonyms from the passage, summarizing the passage, finding use of grammatical points in the passage, answering short questions, talking about the content of the passage, creating dialogues using the contents of the passage and so on)</p> <p>In order to be acquainted with the sentence structures used in business documents students will have to read business and banking related articles in national and international journals.</p>		
11	<p>Chapter-11: (Grammar Part)</p> <p>1. Conditional Sentences (Discussion will focus on the use of three conditional structures. Exercises will include use of right forms of verbs given within the bracket or choosing correct form of verb out of two/three options)</p> <p>2. Active and Passive Voice (Practical use passive structures, change of voice, correction relating voice, Exercises will also include using verbs in correct form given in sentences using both active and passive structures)</p> <p>Besides students will have to examine how these grammar points are used in their text books and reference books. They will have to practice using these grammar points in writing mock business and banking documents.</p>	3	2&4
12	<p>Chapter-12 (Grammar Part)</p> <p>3. Direct and Indirect Narration (Discussion will focus on the uses of both direct and indirect speeches, change of narration of detached sentences)</p> <p>4. Use of Preposition, Completing Sentences and Gap filling with Preposition and Conjunction</p> <p>Besides students will have to examine how these grammar points are used in their text books and reference books. They will have to practice using these grammar points in writing mock business and banking documents.</p>	3	2&4
13	<p>Chapter-13 (Grammar Part)</p> <p>5. Causative Verbs (Discussions will focus of on the use of causative verbs. Exercises will include use of correct forms of verbs after a causative verb)</p> <p>6. Participle and Gerund (Discussion will focus on the uses of gerund and participle, joining sentences using present participle form of a verb. Exercises will include identifying participle and gerund from the given sentences, joining sentences with present participle)</p> <p>7. Common Errors in English</p> <p>Besides students will have to examine how these grammar points are used in their text books and reference books. They will have to practice using these grammar points in writing mock business and banking documents.</p>	3	2&4

14	<p>Chapter-14 (Writing Part)</p> <p>1. Write newspaper reports as staff correspondent of a newspaper. 2. Personal and official letter, e-mail and law related applications. 3. Amplification of ideas</p> <p>Students will also have to practice writing business and banking documents and using the language patterns used in those documents.</p>	3	2&4
15	<p>Chapter-15 (Speaking and Listening)</p> <p>Speaking and Listening: Students will practice listening to business related speeches at the department lab or using their own android. The teacher can also use listening devices at the class.</p> <p>The students can use the following link to practice listening: https://www.ielts-up.com/listening/ielts-listening-practice.html</p>	3	1,3&5

Books Recommended:

1. Text Book: Exercises in Reading Comprehension,
 Edited by: E.L. Tibbitts,
 Longman House Harlow,
 Essex, UK
2. Raymond Murphy, *Intermediate English Grammar*, Foundation Books, 2/19 Ansari Road, Daryaganj, New Delhi-110002, ManasSaikia, 1995. (Published by arrangement with Cambridge University Press, The Edinburgh Building, and Shaftsbury Road, Cambridge CB2 2RU, U.K.).
3. Wren & Martin, *High School English Grammar and Composition-*, New Delhi, S. Chand & Company Ltd. 2002.
4. Thomson & Martinet, *Practical English Grammar*, Oxford University Press, Walton Street, Oxford OX2 6DP, 1993 (reprinted in India by arrangement with Oxford University Press).
5. Michael A. Pyle and Mary Ellen Munoz, *Cliffs TOEFL Preparation Guide*, New Delhi, BPB Publications, B-14, Connaught Place, New Delhi-110001, 1992.
6. Bruce Rogers, *Peterson's TOEFL Success*, Princeton, New Jersey, Peterson's, 2000.
7. AS Hornby, *Oxford Advanced Learner's Dictionary of Current English*, Oxford University Press, 2002-2003.
8. Chowdhury & Hossain, *Advanced English*, Dhaka, Sayma Chowdhury and Halima Chowdhury, 2004.
9. Mohammad Sarwar Alam & Mohammad Taher Hossain Salim, *English Sentences: Learning through Structures & Functions*, Friends' Book Corner, 16 Rafin Plaza 2nd floor, 3/B Mirpur Rood, Dhaka-Bangladesh. 2018
10. Build up Your English, A.J. Glover, The English Language Book Society and J.M. Dents and Sons Ltd. London
 - <http://www.dhakacourier.com.bd/>
 - <http://ielts-up.com/reading/ielts-reading-practice.html#academic>
 - <https://allmedialink.com/english-newspaper-of-bangladesh/>
 - <http://www.indiacelebrating.com/paragraph/paragraph-on-moral-values/>
 - <https://www.vocabulary.com/>
 - <https://helloenglish.com/>

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Principles of Macroeconomics

ISCED Code: 0311;

Course Code: ECON-1201

Course Title: Principles of Macroeconomics

Credits: 03; Contact Hours: 03 Total Marks: 100;

Pre-Requisites: Nil

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The purpose of this course is to provide students with an advanced knowledge of the economic theory and analytical tools that can be used in decision-making problems in Macroeconomic contexts. They will be able to learn Macroeconomic parameters in the context of National Income Accounting, Performance of whole economy in the light of Macro concepts.

B. Course Learning Outcomes and Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course is designed to equip the students with various macro aspects of an economy like national income, gross domestic product, economic welfare, consumer expenditure, investment, multiplier, inflation & unemployment. A student who successfully completes ECON-1201 will be able to demonstrate knowledge of macroeconomic concepts and understanding of current macroeconomic problems by applying theories to concrete cases. The students should be able to use argumentations based on acquired knowledge. In particular students should develop in this course the attitude of critical thinking regarding economic decision making. After the completion of this course, a learner will be able to:

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Describe and analyze the economy in quantitative terms and demonstrate a basic understanding of macroeconomics.	PLO-3, 4	Cognitive/ Analyze
CLO2	Examine how the economy behaves at the aggregate level and how national income is measured and determined.	PLO-2, 3	Cognitive/ Understanding
CLO3	Utilize a simple contemporary economic model such as the aggregate supply/aggregate demand model and describe the interrelationships among	PLO-5	Cognitive/ Applying

	prices, income and interest rates as they affect consumption, saving and investment.		
CLO4	Understand the forces determining macroeconomic variables such as inflation, unemployment, interest rates, and the exchange rate.	PLO- 4	Cognitive/ Understanding
CLO5	Define macroeconomic terminology, such as the multiplier, monetarism, the natural level of unemployment, Interpret and evaluate media reports on the macro economy; and formulate and assess macroeconomic policy suggestions.	PLO-1, 5	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section-A (Mid-term: 30 Marks)		
1.	Introduction: Birth of Macroeconomics, what is Macroeconomics? Distinguish between Macroeconomics and Microeconomics. Topics studied in Macroeconomics and their interconnections.	3	CLO1 CLO2
2.	National Income Accounting and Circular flow of Income: Meaning of National Income, GDP, GNP, Per Capita GDP, NNP, GDP at Market Price, GDP at Factor Costs, GDP at Constant Price, GDP Deflator, GDP Growth, Price Level Measurement-CPI, PPI; Business Cycle, Potential vs. Actual GDP, Methods of Computing GDP- Product Method, Income Method, Expenditure Method, Problem of Double Counting, Personal Income and Personal Disposable Income, GDP as a Measure of Economic Welfare and Progress, Circular flow of National Income-Two, Three Sectors, Open Model and Closed Model.	6	CLO3, CLO4, PLO5
3.	Consumption & Savings: Consumption Function, Marginal Propensity to Consume and Average Propensity to consume, Keynes' Theory of Consumption, Saving Function, Marginal Propensity to Save and Average Propensity to Save, Derivation of Saving Function from Consumption Function.	6	CLO3 CLO5
	Section-B (SEE: 50 Marks)		
4.	Post Keynesian Theories of Consumption: Keynes' Theory of Consumption, Relative Income Theory of Consumption: Demonstration Effect and Ratchet Effect, Life Cycle theory of Consumption, Permanent Income Theory of Consumption.	6	CLO4, CLO5
5.	Investment: Meaning of Investment, Types of Investment, Determinants of Investment, Relationship between Saving and Investment, Investment Decision	6	CLO5

	and Present Value Criterion, Marginal efficiency of Capital, Investment Demand Curve.		
6.	Theory of Multiplier: Concept of Multiplier, Various Multiplier- Consumption multiplier, Investment multiplier, Government multiplier. Balanced Budget Multiplier, Multiplier Process, Importance of Multiplier, Multiplier and MPC-MPS, Paradox of Thrift.	6	CLO5
7.	Monitoring Jobs & Inflations: Meaning of Unemployment, Why Unemployment Is a Problem? Types of Unemployment, Wage Change and Unemployment; The Price Level- Inflation & Deflation, Why Inflation and Deflations Are Problems? Types of Inflation, The Consumer Price Index and Measuring the Inflation Rate, Distinguish Between High Inflation and High Price, Effects of Inflation, Anti- Inflationary Policies. Relation between Unemployment & Inflation- The Phillips Curve; Introductory Analysis-Say's Law and Classical Theory and Wage-Price Flexibility and Full Employment, Keynes' Critique of Say's Law and Classical Theory.	6	CLO1, CLO5
8.	Determination of National Income: Keynesian Approach: Determination of National Income-Simple Keynesian Model (Through Aggregate Demand, Consumption Demand, Investment Demand, Aggregate Supply) and Algebraic Analysis, Determination of National Income in Three and Four Sector Model, Concepts of Inflationary and Deflationary Gaps.	6	CLO2, CLO3

D. Learning Resources

Text Books

- Dornbusch. R. & Fischer, S., (1974) Macroeconomics Ed.6th, McGraw-Hill Kogakusha, USA
- Mankiw, N. G. (2014), Principles of Macroeconomics. Cengage Learning, USA
- Branson, W. H. (1972), Macroeconomic theory and policy, Ed. 3rd, USA.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Elementary Statistics

ISCED Code: 0542; Course Code: STAT-1201

Course Title: Elementary Statistics

Credits: 03; Contact Hours:03

Total Marks:100; Pre-Requisites: NA

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks	
		Class test/ Assignment/ Quizzes		10 Marks
		Mid-term		30Marks
	SEE: Semester End Examination		50 Marks	

A. Introduction of the Course:

The course is designed to equip students with conceptual introduction to the field of statistics and many of its interpretations and applications, which is a must especially for the students of economics. This course provides knowledge on primary statistical measurement, analysis and their interpretation and application in business and practical life. In this regard, the course will provide knowledge on data, frequency distribution, the central tendency, variability of data, skewness, moments, kurtosis of any distribution and index number.

B. Course Learning Outcomes and Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course is designed to equip students with knowledge of different statistical tools used in business analysis. This course provides knowledge on primary statistical measurement, analysis and their application in business. This course will provide knowledge on types of data, organize the collected data into tabular format and provide a descriptive and inferential analysis using learnt tools. This course will serve as the foundation of statistics and data analysis for research in future.

At the end of the Course, the Student will be able to-

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	demonstrate knowledge of fundamental statistical terms, concepts and skills needed to describe data sets using graphs and numerical summaries; distinguish between theoretical and empirical quantities	PLO-1, 3. 4	Cognitive/ Understanding and Analyzing
CLO2	apply mathematical concepts and principles to perform numerical and symbolic computations	PLO-2	Cognitive/ Applying
CLO3	use technology appropriately to investigate and solve mathematical and statistical problems	PLO-3	Cognitive/ Applying
CLO4	use mathematics and statistics independently and develop the ability to analyze, interpret, and apply quantitative information.	PLO-3	Cognitive/ Applying

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section-A (Mid-term: 30 Marks)			
1	<p>Chapter-1: Introduction Definition of statistics, History of Statistics, Meaning of Statistics, Types of Statistics, Functions of Statistics, Characteristics of Statistics. Sample and Population, Variable and its type, Importance of Statistics in Economics, Limitations of Statistics.</p> <p>Chapter-2: Data Classification and Presentation Statistical Data, Methods of Collecting Data, Difference between Primary and Secondary Data, Classification of Data, Tabulation of Data. Frequency Distribution, Steps of Making Frequency Distribution, Cumulative Frequency Distribution, Diagrams and Graphs of Statistical Data(Simple Bar Chart, Multiple Bar Chart, Component Bar Chart, Percentage Component Bar Chart, Histogram, Frequency Polygon, Ogive, Pie Chart).</p>	9	CLO1
2	<p>Chapter –3: Measures of Central Tendency/Average Average and Types of Average, Objectives of Averaging, Characteristics of a Good Average, Arithmetic Mean, Properties of Arithmetic Mean, Weighted Arithmetic Mean, Combined Mean, Merits and Demerits of A.M., Geometric Mean, Properties, Merits and Demerits of G.M., Harmonic Mean, Merits and Demerits of H.M., Relationship of A.M., G.M. and H.M., Concept of Mode, Advantage and Disadvantage of Mode, Concept of Median, Empirical Relation between Mean, Mode and Median, Graphically Determination of Median and Mode, Quartiles, Deciles and Percentiles</p>	9	CLO2, CLO4
Section-B (SEE: 50 Marks)			
3	<p>Chapter –4: Measures of Dispersion/Variation Introduction to Measures of Dispersion, Absolute Measures of Dispersion, Relative Measures of Dispersion, Range and Co-efficient of Range, Quartile Deviation and its Co-efficient, Mean-deviation and its Co-efficient, Standard Deviation, Variance, Combined Variance, Co-efficient of Standard Deviation and Variation, Sheppard Correction and Corrected Co-efficient of variation.</p>	9	CLO2, CLO3
4	<p>Chapter– 5: Moments, Skewness and Kurtosis Definition, Measure of Skewness, Measure of Kurtosis, Types of Kurtosis with graphs, Comment on any distribution, Moments, Measures of Moments, Population Moments.</p>	5	CLO3
5	<p>Chapter–6: Index Number</p>		CLO4

	Index Number and Types of Index Number, Uses of Index Number, Limitations of Index Number, Construct of Price Index number (Fixed Base Method, Chain Base Method), Un-weighted and Weighted Index Number, Wholesale Price Index Number, Consumer Price Index Number.	8	
6	Statistical Quality Control Definition, Chance variation and assignable variation, Control charts, how to setup control chart. Mean chart, R-chart, c-chart, p-chart and its applications.	5	CLO4

D. Learning Resources

▪ **Textbook/ Reference Materials**

- Schiller, J., Spiegel, M., & Srinivasan, R. A., (2012), Schaum's Outline of Probability and Statistics: 760 Solved Problem. McGraw Hill Professional, USA
- Gupta, S. P., & Gupta, M. P. (2010), Business statistics. Sultan Chand & Sons, India
- Anderson, D. R., Sweeney, D. J., & Williams, T. A. (2011) Statistics for Business and Economics, 11th Edition, South-Western Cengage Learning

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category (Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Elementary Banking and Finance

ISCED Code: 0412; Course Code: BNKG-1201

Course Title: Elementary Finance and Banking

Credit: 03; Contact Hour: 03

Prerequisite: No prerequisite courses

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the courses:

This course is designed to provide an overview of finance and banking. It relates to the concepts, role functions and strategic issues that help to create decision making of financing and the various concepts of banking sectors.

B. Course Learning Outcomes and Mapping of Course Learning Outcomes(CLO) to Program Learning Outcomes(PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Gain current knowledge, ideas and they will be able to make decision on the basis of real scenario of the field of Finance & Banking.	PLO-1, 2. 4	Cognitive/ Understanding and Analyzing
CLO2	improve the knowledge and competence as practicing managers who will be able to use and get benefit from financial statements analysis, analysis of time value of money.	PLO-1,3,4	Cognitive/ Applying
CLO3	Apply their learning to manage risks of different kinds, valuation of various methods of financial products/instruments, capital budgeting, evaluation and maintenance of banking activities.	PLO-3,5,6	Cognitive/ Applying

C. Summary of the Course Contents:

Sessions	Course Contents	Hrs	CLO
	Section A: Mid-term 30 marks		

1	Chapter – An overview of financial management and its environment: First hand idea about the concept of Finance, Functions & Principles of finance, Financial management, Financial and capital budgeting decision, Financial assets vs. Real assets, Areas of Finance, Financial staffs' responsibilities, corporate goals and Agency concept.	3	CLO 1
2	Chapter – Financial Statements, Cash flows and taxes: Financial statements and reports, Balance sheet, Income statement, Statement of Retained earnings(Continued)	3	CLO 1
3	Chapter – Financial Statements, Cash flows and taxes: Cash flow and its statement, Operating assets and capital, NOPAT, Free cash flow, corporate loss carry-back carry forward.	3	CLO 1
4	Chapter – Analysis of Financial Statements: Ratios: (Liquidity, Asset management, Debt management, Profitability, Market value)-Definitions, Implications, Uses and Limitations.	3	CLO 2
5	Chapter – Time value of Money: Time line, Future value, Present value, Future and Present value of ordinary annuity and annuity due, (Continued)	3	CLO 2
6	Chapter – Time value of Money: Perpetuities, Uneven cash flow stream, other than Annual compounding, Amortized loan.	3	CLO 2
Section B: (SEE 50 Marks)			
7	Chapter – Risk and Rate of return: Security return, Elements in return, Return measurement, Risk in a traditional sense: Systematic and Unsystematic risk, Calculation of risk, Portfolio risk, Risk in a contemporary mode, Beta, CAPM.	3	CLO 3
8	Chapter – Bonds and their valuation: Bonds, who issues, Characteristics, Valuation, Yields, Types of corporate bonds.	3	CLO 3
9	Chapter – Stock and their valuation: Rights of Common stock (CS) holders, Market for Common Stock. (Continued)	3	CLO 3
10	Chapter – Stock and their valuation: Types of stock market transactions, Valuation: Constant and non-constant growth, EMH.	3	CLO 3
11	Chapter – Capital Budgeting Techniques: Project evaluation and selection: payback period, Steps of pay-back period, Acceptance criterion(Continued)	3	CLO 3
12	Chapter – Capital Budgeting Techniques: Problems of pay-back period method. Non-discounted cash flow methods: Internal rate of return, Net present value, NPV profile, Profitability index, Capital rationing.	3	CLO 3
13	Chapter – Introduction to Bank: Concepts, Nature, Classes and Banking system in Bangladesh.	3	CLO 3
14	Chapter – Central Bank & Commercial Banks: Definition, Functions of central bank, The role of central bank, Functions of commercial bank(Continued); The role of commercial bank, Relationship between central bank & commercial bank, Nature and Monetary Management.	6	CLO 3

D. Learning Resources:

Text Book:

- Brigham, E.F. and Ehrhardt, M.C., (2013). *Financial management: Theory & practice*. Cengage Learning.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Principles of Management

ISCED Code: 0413; Course Code: MGT-1201

Course Title: Principles of Management

Credits: 03; Contact Hours: 03

Total Marks: 100; Pre-requisites: N/A

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The nature of the management process is exposed through appropriate concepts such as planning, organizing, leading, and controlling; evolution and models related to the study of formal and informal organizations. Systems analysis will integrate the various dimensions of management, organizational structure and functions of managers, growth, and re-engineering of business.

B. Course Learning Outcomes and Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

Students who successfully complete MGT 1201 should be comfortable with basic learning/studies of management. They should be able to use management functions in making effective and efficient decisions to realize greater surplus in businesses. **At the end of the Course, the Student will be able to-**

S/N	Course Learning Outcomes (CLOs):: Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Illustrate the development of management theories, models and principles; and describe management functions such as planning, organizing, and budgeting to facilitate roles of managers and resources they use.	PLO-1	Cognitive/ Understanding and analyzing
CLO2	Look critically into different management approaches. Translate motivation principles and their applications into work performance.	PLO-1, 2, 4	Cognitive/ Analyzing
CLO3	Apply leadership and management functions and Provide techniques of evaluating, coaching and managing poor performer.	PLO-2, 4, 5, 6	Cognitive/ Applying

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid-term 30marks			
1	Introduction to Management: Definition, Features of Management, Importance of management study, Nature of Management functions, Functions of management, Approaches to the study of management: Empirical approach, Human behavior approach, Social system approach, Social Technical systems approach, Decision Theory Approach, Management science approach, Systems Approach, Contingency or situational approach, Operational approach.	9	CLO1 CLO2
2	Planning: Definition, Features, Importance of planning, Merits of planning, Limitations of planning, Types of Plans, Decision making, Decision-making Process, Kinds of policies, Types of strategies. Organization: Definition, Principles of organization, Elements of organization, Organizational Chart, Types of organization, Authority and responsibility, Delegation, Barriers to delegation, Guidelines for Effective Delegation, Span of Management, Decentralization, Departmentation.	9	CLO2
Section B: SEE 50 marks			
3	Direction: Process of Direction, Importance of direction, Principles of direction. Motivation: Nature of motivation, Need for motivation, Kinds of motivation, Theories of motivation: Maslow's theory of motivation, Herzberg's theory, McGregor's theory and Vrooms theory.	9	CLO2
4	Communication: Characteristics of communication, Importance of communications, Elements of Communication, principles of good communication, Types of communication, Barriers in communication. Leadership: Importance of leadership, Ingredients of leadership, Leadership qualities, Types of leadership, Approaches to study of leadership: Personal Trait Approach, Situational / Contingency approach, Group approach, Path goal theory. Concepts of Leadership in Islam.	9	CLO2,3
5	Coordination: Need for coordination, Types of co-ordination, Principles of coordination, Techniques of coordination, and Problems of coordination. Control system and process: Importance of control, Steps in controlling, Essentials of effective control system, Techniques of control, Direct Control versus	9	CLO2, CLO3

	Preventive Control, Management by objectives, Management by exception (M.B.E.).		
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D. Learning Resources

- **Text Books**

Robbins, S. P., DeCenzo, D. A., & Gao, J. (2007). Fundamentals of Management. Pearson Prentice Hall. India

- **Reference Books**

Koontz, H. (2010). Essentials of management. Tata McGraw-Hill Education

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category (Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Basic Principles of Islam (‘Aqidah+ ‘Ibadah)

ISCED Code: 0221; Course Code: GEED-1201

Course Title: Basic Principles of Islam (‘Aqidah+ ‘Ibadah)

Credits: 2CH; Contact: 02 Per Week

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Rationale of the Course: Soundness of belief & thinking and righteousness of actions are the foundation of a good life. Again actions that are related between us and our Creator are termed as `Ibadah. This course is designed to provide the students with the pure belief system of Islam that will guide them to sound thinking for removing some misconceptions & traditional superstitions contradicting the basic faith & tenets of Islam. This course also provides them with a clear and comprehensive concept of `Ibadah in Islam to encourage them to be used to it and to illuminate every walk of life in accordance with the lessons derived from it as the slaves of Allah (SWT).

SL	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding Mission of IIUC	Bloom’s taxonomy domain/level
CLO-1	Understand the clear concept of Islamic Aqidah, its importance, benefits and effects on our practical life	IIUCMS-01& 02	Cognitive/ Understanding
CLO-2	Understand the meaning of belief in Allah (<i>Tawhid</i>), nurse it in their minds and protect it from any filthy beliefs (Shirk & Tashbih), hypocrisy (Nifaq), other contemporary misconceptions or superstitious fancies	IIUCMS-02& 03	Cognitive/ Analyzing
CLO-3	Understand the other articles of faith and their relationship with the main belief - belief in oneness of Allah	IIUCMS-02& 03	Cognitive/ Understanding
CLO-4	Understand the concept of worship in Islam and its all-embracing view	IIUCMS-01& 03	Cognitive/ Analyzing, Understanding
CLO-5	Understand the significance of some prescribed rituals of Islam that will help them to be a practicing Muslims holding proper beliefs and performing that rituals of Islam.	IIUCMS-02& 03	Cognitive/ Understanding

Course Content:

Chapter	Course Outline: <u>Section-A (Midterm Exam: 30 Marks)</u>	Number of Lectures	CLO
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01	Chapter# 01: <i>Islamic 'Aqidah: An introduction:</i> (a) <i>Islam: Its definition and characteristic</i> (b) <i>Islamic 'Aqidah: Its definition and importance.</i>	4	CLO -1
02	Chapter# 02: <u><i>Some Articles of Faith (Pillars of Iman):</i></u> [01] <i>Believe in Allah (SWT):</i> * <i>We must believe in Tawheed: (1) Existence of Allah (SWT) (2) Tawhid: Definition and classifications (Tawhid Al-Rabubiah, Tawhid Al-Uluhiyah, and Tawhid Al-Asma Was-Sifat) (3) Impact of Tawhid.</i> * <i>We must avoid Shirk: (1) Definition, classifications and consequences (2) Examples of some Shirks in contemporary society.</i> [02] <i>Belief in Allah's Angels (Malaikah):</i> (a) <i>Belief in Angels of Allah (SWT): It's meaning, their Nature and Functions</i> (b) <i>Benefits of belief in Angels.</i> [03] <i>Belief in the Books of Allah:</i> (a) <i>Belief in the Books of Allah: It's meaning and an introduction to the revealed Books and Scriptures</i> (b) <i>The position of the Holy Qur'an amongst the other revealed Books</i> (c) <i>Benefits of belief in the Books of Allah (SWT).</i>	6	CLO-2
03	Chapter# 03: <u><i>Some Articles of Faith (Pillars of Iman):</i></u> [01] <i>Belief in Allah's Prophets:</i> (a) <i>Belief in Allah's Prophets: It's meaning and purpose of their sending</i> (b) <i>Features of Prophethood and Contributions of the Prophets towards humanity</i> (c) <i>Muhammad (SAAS) is the greatest, the best and the last among all the Prophets and Messengers.</i> [02] <i>Belief in the Akhirah (Life after Death):</i> (a) <i>Definition and Stages of Akhirah</i> (b) <i>The logic and evidence regarding Akhirah</i> (c) <i>Impact and benefits of belief in Akhirah.</i> [03] <i>Belief in Qadr/ Taqdir (Fate) and divine decree:</i> (a) <i>Definition of belief in Qadr/ Taqdir</i> (b) <i>Opinions of the scholars regarding Taqdir</i> (c) <i>Concept of man's freedom of will in Islam.</i> [04] <i>The nullifiers of Iman: (a) Kufr and Nifaq: Definition, classifications and consequences</i> (b) <i>Description of the nullifiers of Iman in details.</i>	4	CLO-3
Section-B (SEE: 50 Marks)			
04	Chapter# 04: <i>'Ibadah: Its introduction:</i> (a) <i>Meaning of 'Ibadah</i> (b) <i>Various types of 'Ibadah</i> (c) <i>The best 'Ibadah</i> (d) <i>Objectives and aims of 'Ibadah.</i> (e) <i>Conditions of 'Ibadah.</i>	2	CLO-4
05	Chapter# 05: <i>Characteristics of 'Ibadah and signs of 'Ibadur Rahman:</i> <i>Characteristics of 'Ibadah in Islam: Free from Intermediaries, Not being confined to specific places, All-Embracing View (Scope of 'Ibadah)...etc.</i> <i>Signs of 'Ibadur Rahman (Servants of Ar- Rahman): According to the Holy Qur'an.</i>	4	CLO-4

	<i>Taharah & Najasah</i> : Definition of <i>Taharah</i> (purity) and <i>Najasah</i> (impurity), ways and means of <i>Taharah</i> : <i>Wadu, Gusl</i> .		
06	Chapter# 06: <u>Some Articles of Islam (Pillars of Islam) and Defense system of Islam</u> : Salah (Prayer): Its significance, teachings & some basic rules: (a) Definition and kinds (b) Importance (c) Prerequisites of Salah (Shurutus-Salah) (d) Essentials/ Basic components of Salah (Arkanus-Salah) (e) How to perform the Salah in detail (practically)? (f) Things that invalidate the prayer (Mufsidatus-Salah) (g) Sajdah that makes prayer correct (Sajdatus-Sahu) (h) Friday prayer (Salatul-Jumu'ah) (i) The funeral prayer (Salatul-Janazah) (j) Prayer of the traveler (Salatul-Musafir) (k) 'Eid prayer (Salatul-'Eid) (l) Impact of Salah. Zakah (poor-due) : Its significance, teachings & some basic rules: (a) Definition and types (b) Importance (c) kinds of property on which Zakah is obligatory (d) Who should give Zakah (e) Due recipients of Zakah (f) Zakah and poverty alleviation (g) Impacts/ benefits of Zakah.	4	CLO-5
07	Chapter# 07: Sawm (Fasting): Its significance, teachings & some basic rules: (a) Definition and types (b) Importance (c) Things which invalidate the fast (Mufsidatus-Sawm) (d) Who must fast? (e) Exemption from fasting (f) Recompense of mistake (<i>Qada</i> and <i>kaffarah</i>) (g) <i>Sahdktul Fitr/ Zakatul Fitr</i> (h) Impact of Sawm. Hajj (pilgrimage): Its significance, teachings & some basic rules: (a) Definition and types (b) Importance (c) How to perform Hajj in detail? (d) Impact of Hajj.	4	CLO-5
08	Chapter# 08: Defense system of Islam: (a) Definition and classification of Jihad from various aspects (b) Importance of Jihad (b) Differences between Jihad and Terrorism.	2	CLO-4

List of Books:

1. Rafique Dr. Abu Bakr, Islam The Ultimate Religion (Book one) Islamic 'Aqidah', Chittagong: ABC Publications, 2002.
2. Mohammad Amimul Ahsan and others, Towards Understanding `Ibadah in Islam, Bangladesh Institute of Islamic thought (BIIT), Humanscience Series-06, First Eddithion, May-2015.

Basic Principles of Islam (Pillars of Islman):

1. Bhuiyan, Mohammad ShafiulAlam, The Fundamental Beliefs of a Pure Muslim, 1st edition, WAMY, Bangladesh office, Dhaka, 2003.
2. Sabiq, Assayed, Al-`Aqaeed Al- Islamiyah, Cairo, Al-Fathu Lil-IelamilArabi, 10th edition-2000.
3. Bilal Philips, Dr. Abu Ameenah. The Fundamentals of Thwhid (Islamic Monotheism), International Islamic Publishing House.

4. Farid, Ahmed, An Encounter with Islam, Dhaka: Islamic Foundation, BaitulMukarram, Dhaka, 1995.

Basic Principles of Islam (Pillars of Islam):

1. Abdalati, Hammudah, Islam in Focus, The Dept. of Islamic Affairs, The Ministry of Awqaf and Islamic Affairs, State of Qatar, 1995/ Islamic Teaching Course. Vol.-1
2. Al-Quardawi, Dr. Yousuf, Al-'Ibadah in Islam, Wahba publication, Etypt, 24th edition, 1995.
3. Alkhuli, Muhammad Ali, The Light of Islam, E 4, Riyadh: Al Farazdak Press, 1983.
4. Sarwar, Ghulam, Islam: Beliefs and Teachings, London: The Muslim Educational Trust, 1980.

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Intermediate Microeconomics

ISCED Code: 0311; Course Code: ECON-2302

Course Title: Intermediate Microeconomics

Credits: 03; Contact Hours:03

Total Marks:100; Pre-requisites: ECON-1101

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

This course is designed covering the theories of microeconomics that almost every instructor of microeconomics course agrees should be studied at the intermediate level. The purpose of this course is to provide students with the functional knowledge of the economic theory regarding how firms work in highly competitive to imperfect market structure. How these theories can be used in decision-making problems at microeconomic contexts. Students of this course will be able to learn how economists use microeconomic theories and models to deal with economic issues worldwide while studying the theories with real life examples.

B. Course Learning Outcomes and Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course is designed to furnish students with understanding of different market structure. This course offers awareness on primary stage of starting business, specially the minimum cost and maximum profit target. This course will deliver information on how a market works, who are the key actors and how to handle circumstances depending on different market situation. After completing the course, student will be incapable to do market exploration and to scrutinize data for an individual as well as for a societal decision-maker.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Understand the producer's perspective of cost and benefit of a business and how decision making depends on cost structure, and assess the microeconomic theories and models in terms of their policy implications, advantages and limitations.	PLO-2, 4, 5	Cognitive/ Understanding and Analyzing
CLO2	Reveal acquaintance of fundamental microeconomic terms, concepts and skills needed	PLO-1	Cognitive/ Understanding

	to explain consumers', firms', and market behavior using mathematical tools and diagrams		
CLO3	Evaluate the role of ethics in individual and organizational decision-making behavior.	PLO-5, 6	Cognitive/ Analyzing
CLO4	Apply microeconomic models to design solutions to practical economic issues and real-world scenarios.	PLO-2,3,4	Cognitive/ Applying

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid-term 30marks			
1	Chapter-Theory of Cost: Cost Function, Short Run vs Long run cost, Average Cost. Marginal Cost, Relationships between AC & MC, Long run Average Cost(LAC)	9	CLO1, CLO2
2	Chapter-Market: Perfect Competition. Definition. Properties, Firm`s Equilibrium in the short run. Supply curves-firm`s and Industry. Industry equilibrium- short runs. Industry disequilibrium-adjustment of prices and quantities. Normal versus Supernormal profit. Market price and normal price. Meaning relevance of long run. Firm`s and Industry`s equilibrium in the long run. External economics and diseconomies. Long run supply curves. Applications.	9	CLO2
Section A: SEE 30marks			
3	Chapter-Monopoly: Definition, Monopoly demand, Short Run Equilibrium, Monopoly Supply, Long Run Equilibrium, Perfect Competition vs. Monopoly; Dead weight loss, Elasticity & pricing decision, Price Discrimination-first degree, second degree and third degree.	9	CLO3 CLO1
4	Chapter-Monopolistic competition: Definition, Equilibrium under Monopolistic competition Model-1, Model-2. : Equilibrium under Monopolistic competition: Model-3 ,Excess capacity	9	CLO4 CLO3
5	Chapter-Oligopoly: Non-Collusive: Cournot Model, Stackelberg Model. Non-Collusive: Kinked demand Model. Collusive: Cartel –Joint profit maximizing cartel, market sharing cartel, quota. Collusive: Price Leadership by low cost firm, dominant firm and experienced firm.	9	CLO4

D. Learning Resources

- Varian, Hal R. *Intermediate Microeconomics: A Modern Approach*. 7th ed. New York, NY: W.W. Norton, 2005.

- Jehle, Geoffrey A., and Philip J. Reny. *Advanced Microeconomic Theory*. Reading, MA: Addison-Wesley, 1997.
- Mas-Colell, Andreu, Michael D. Whinston, and Jerry R. Green. *Microeconomic Theory*. New York, NY: Oxford University Press, 1995
- Islam, M.S., (2015) *Economics (Managerial Perspective)*, University Grants Commission of Bangladesh (UGC), Bangladesh

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Mathematical Economics

ISCED Code: 0541; Course Code: MATH-2302

Course Title: Mathematical Economics

Credits: 03; Contact Hours:03

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
	Mid-term		30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the Course:

This course aims to show students how to do and apply the mathematics they require for a successful study of economics focuses on the multiple use of derivative in economics. Topics covered include production function, optimization (free and constrained), matrix and input output model.

B. Course Learning Outcome and mapping of Course Learning Outcomes (CLO) to program Learning Outcomes (PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Successfully use mathematical tools in economics applications.	PLO-2	Cognitive/ Understanding
CLO 2	Discover the technique of second and higher order derivative.	PLO-1	Cognitive/ Understanding
CLO 3	Construct and solve the model using matrix algebra	PLO-2	Cognitive/ Applying
CLO 4	Find solutions to free and constrained optimization problems by identifying relative and global maximums and minimums of single and multivariable functions.	PLO-1	Cognitive/ Analyzing
CLO 5	Use derivative to solve the production function	PLO-4	Cognitive/ Applying

C. Summary of Course Contents

SL NO	Course Content (as summary)	Hrs	CLOs
	Section A: Mid-term 30 marks		
1	Introduction and review of basic concepts: Review of the total, partial derivatives.	03	CLO1
2	Matrix Algebra (i) Definition and Example of the Matrix. Types of the Matrix: Row and Column Vector, Null Matrix, Square Matrix, Diagonal Matrix, Identity Matrix. (ii) Transpose of Matrix and Properties of a Transpose Matrix, Minors and Cofactors of the Matrix, Determinant of a Matrix and properties of the Determinants. (iii) Inverse of a Matrix. Matrix Equation System: Solution of the equation System- inverse method and Cramer's Rule.	10	CLO2 CLO3
3	Free Optimization (i) Definition and application of optimization. (ii) One choice variable case: Optimum and Extreme Values, Critical Value, relative maximum and Minimum: First –Derivative Test, Relative versus Absolute Extremum, First-Derivative Test.	07	CLO2 CLO4
	Section B: SEE 50 marks		
4	Free Optimization (iii) The Case of More than one Choice Variable. Constrained Optimization (i) General Form (ii) Economic Application.	09	CLO2 CLO4
5	Input-output Model Assumption of input-output model, input coefficient matrix, Leontief matrix, input-output equation.	06	CLO2 CLO3
6	Production Function (i) Homogeneous Function versus Homothetic Function- Mathematical Problems. Types of the Production Function: Cobb- Douglas production function, CES production function.	10	CLO5

	(ii) Average Productivity of the Factors, Marginal Productivity of the Factors and their Homogeneity, Iso-quants of a Production Function and their Slope. (iii) Optimal level of Factors Combination, Expansion Paths and their nature, Factors share of the Total Product, Euler’s Theorem, Elasticity of the substitutions.		
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D. Learning Resources

(i) Textbook:

Chiang, A. C., (2005), Fundamental Methods of Mathematical Economics, 4th edition, McGraw-Hill/Irwin, New York

(ii) Reference Book:

Allen, R.G.D., (1976), Mathematical Economics, 2nd Edition, Macmillan, London

E.Course Assessment Pattern (Theory courses):

Bloom’s Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom’s category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom’s categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Principles of Accounting

ISCED Code: 0411; Course Code: ACC-2301

Course Title: Principles of Accounting

Credit Hour: 03; Contact Hour: 03

Total Marks: 100; Pre-Requisites: N/A

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

This course provides a precise knowledge regarding identification, recording and communication of accounting information of an organization to its interested users. This course starts with an introduction of accounting principles. Then identifying and recording the financial events in different books of accounts. This course includes the elements of financial statements that help a financial organization to identify its profit and loss through income statement and financial position, assets and liabilities through balance sheet.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course aims at providing basic knowledge of accounting principles and practices. It will focus on the fundamental issues of accounting such as, transaction analysis, recording transactions, measuring income, preparation of financial statements and so on.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Understand the concept of accounting and its principles, identify and analyze the transactions of any organization and know how to record, classify and summarize the transactions.	PLO-1	Cognitive/ Understanding and Analyzing
CLO2	Compute the financial statements to know the financial positions and assets and liabilities with classification and analyze CVP.	PLO-4	Cognitive/ Applying
CLO3	Calculate depreciation and valuation of inventory under different methods, bank errors and bank reconciliation statement and its procedures.	PLO-3	Cognitive/ Applying
CLO4	Understand the Islamic accounting concept and its application.	PLO-1	Cognitive/ Understanding

C. Summary of Course Contents

Sl.no	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section A: Mid-term 30 marks		
1	Introduction and Overview: Defining accounting, Purpose and nature of accounting information, Historical background of accounting, Users of accounting information, Accounting organizations, Branches of accounting, Types of business organizations, Accounting concepts and principles, Accounting equation.	5	CLO1,
2	Recording Business Transactions: Meaning of assets, Liabilities, Owner's equity, Expenses and revenues, Double entry system: Transaction analysis, Books of original entry / Journal, Ledger, and Trial Balance.	5	CLO2, CLO3
3	Measuring Business Income: Accrual basis vs. cash basis accounting, Adjustments to the accounts, Posting the adjusting entries, Adjusted trial balance, Preparation of financial statements from adjusted trial balance. Completing the Accounting Cycle: Overview of the accounting cycle, Preparation of worksheet	5	CLO3, CLO4
	Section B: SEE 50 marks		
4	Merchandising and the Accounting Cycle: Financial statements- Income statement, Owner's equity statement and Balance sheet.	5	CLO3, CLO4
5	Inventory Accounting: Concept of inventory, Classification of inventory, Inventory system: Perpetual and periodic inventory system, LIFO, FIFO and average methods of inventory; Calculation of cost of inventory, cost of goods sold and net profit under different methods of inventory.	5	CLO3, CLO4
6	Bank Reconciliation Statement: Definition, reasons for reconciliation, advantages of reconciliation, Methods of reconciliation, Phases in the reconciliation process, Terms used in the bank reconciliation statement, Preparation of a bank reconciliation statement.	5	CLO3, CLO4
7	Plant and Intangible Assets: Classification of plant and intangible assets, Capital and revenue expenditures, Recording of acquisition of assets, Goodwill and valuation, Depreciation of plant assets, amortization of intangible assets.	5	CLO4
8	Cost-Volume-Profit: Difference between variable and fixed costs, the concept of mixed costs, components of cost volume-profit analysis, contribution margin, ways to determine the break-even point, formulas for determining sales required to earn target net income, and margin of safety.	5	CLO4
9	Islamic Accounting: Definition, scope, comparison between traditional and Islamic accounting, standards, and application.	5	CLO4

D.Recommended Books:

Textbook:

- Weygandt, J. J., Kieso, D. E., Kimmel, P. D. (2015). *Accounting Principles, 12th Edition*. John Wiley & Sons. 111 River Street, Hoboken, USA

- Harrison, W. T., & Horngren, C. T. (2008). Financial accounting. Pearson Education. India

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Commercial Banking

ISCED Code: 0412

Course Title: Commercial Banking

Course Code: BNKG-2302

Credit: 03

Contact Hour: 03

Prerequisite: No prerequisite courses

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks	
		Class test/ Assignment/ Quizzes		10 Marks
		Mid-term		30Marks
	SEE: Semester End Examination		50 Marks	

A. Introduction to the Course:

Commercial banking is a complex business activity which involves financial intermediation with low equity and high fixed cost-based finance. Unlike conventional forms of business, commercial banking involves complex financial market risks and operates under government regulations. As students of banking arena, students should have proper knowledge of commercial banking. The course aims to introduce the students with the intricacies of complex banking business and also helps in understanding the main regulations required to be followed in banking industry. This course provides a precise introduction to gist of overall banking practices and brief overview of banking industry in Bangladesh. This course includes the needed parts of negotiable instruments act relevant to banking industry and the way a bank manages environment. A thorough discussion is made regarding employment of bank funds. A detail discussion of foreign exchange operation of commercial banks is included in this course. Finally, this course is adorned by including contemporary banking issues and practices.

B. Course Learning Outcomes and mapping of Course Learning Outcomes(CLO) to Program Learning Outcomes(PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Understand the concept of financial intermediation and types of banking institution facilitating financial intermediation,	PLO-1, 2, 3	Cognitive/ Understanding
CLO 2	Apply the knowledge related with banking laws and banking in practical banking arena	PLO-2, 3, 4	Cognitive/ Applying
CLO 3	Understanding the relationship between banks and different economic agent	PLO-2	Cognitive/ Applying
CLO 4	Analyzing the factors that determine the commercial bank's environment and banking services	PLO-2	Cognitive/ Analyzing
CLO 5	Evaluate the roles of banking services in economic development and living standard of individual	PLO-5, 6	Cognitive/ Evaluating

C. Summary of the Course Contents:

Sessions	Course Contents	Hrs	CLO
Section A: Mid-term 30 marks			
1	Introduction to financial intermediary and commercial banking Financial Intermediary; Significance of Financial Intermediary; Different types of Financial Intermediary; Different types of Banks and Banking System; Commercial Banking; Brief overview of Functions of commercial banks, Principles of Commercial Banking; Creation of Credit by Commercial Banks; Sources and Uses of Fund; Roles of Commercial Banks; An Overview of Banking Scenario in Bangladesh.	9	1
2	Relationship Between Banker and Customers: Definition of Customers; Types of Bank Customers; General Relationship Between Banker and Customer; Obligation of a Banker; Garnishee Order; Banker's Right; Special Types of Bank Customers Customer's Account with the Banker: Deposit Account Based on Withdrawal Demand; Deposit Account Based on Cost of Fund; Features of Different Types of Deposit Account; Customer's Eligibility of Different Deposits Accounts; CASA Ratio; Significance of High CASA for Banks; KYC.	9	2,4
Section B: SEE 50 marks			
3	Negotiable Instruments (NI) and Endorsement of Negotiable Instrument; Essential Characteristics of NI; Types of NI, Parties to NI; Endorsements of NI; Holder and Holder in Due Course Payment in Due Course; Holder for value; Meaning of Negotiation; Definition of endorsement; Legal Provision Regarding Endorsement; General rules regarding the form of endorsement; regular forms of endorsement; kind of endorsement; Presentment of NI. Crossing, Payment and Collection of cheques: Types of Cheque Crossing; Liability of Paying Banker on Crossed Cheques; Not Negotiable Crossing; Account Payee Crossing; Obliterating a Crossing; Opening of Crossing; Precautions to be Taken by the Paying Banker; Statutory Protection to the Paying Banker, When the Banker Must Refuse Payment of Cheque, Suitable Replies to Dishonored Cheque, Statutory Protection to Collecting banker, Liabilities and duties of Collecting banker.	9	1,2
4	Employment of Bank's Fund: Bank and Liquidity: Significance of Liquidity, Cash Balance, Statutory Cash Reserve with Central Bank, Balance with Other Banks, Money at Call and Short Notice, Investment in Liquid Assets; Loans and Advances: Consideration/principles of sound lending, Credit worthiness of borrowers, Factors Limiting the level of Bank's Advances, Forms of Advances, Consortium Advances, Modes of Creating Charges(Lien, Hypothecation, Pledge, Mortgage); Purchase and Discounting of Bills; Letter of Credit: Types of LC, Parties of LC, Foreign Currency Account; Financing for Exporter and Importer; Guarantees: Concepts, Liabilities and Rights of Surety.	9	3,5

5	Ancillary Services of a banker Remittance of Funds: Bank Draft, Pay Order, Mail Transfer, Mobile Banking, EFT, Travellers' Cheque; Collection and Payment of Pension; Safe Custody of Valuables; Hiring of Safe Deposit Vaults; Merchant Banking; Mutual Funds; Factoring; Concepts and Types; Leasing; Concepts and Types; Certificate of Deposit; Stock Invest; Underwriting; Bid Bonds and Performance Guarantees; Debit and Credit Cards; Standing Instruction; Gift Cheque.	9	3,5
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D. Learning Resources:

Text Book:

- Maheshwari S.N. (1991), Banking: Law and Practice (Latest Edition), Kalyan Publication.

Reference Book:

- Varshney, P. N., & Sarkar, H. C. (1971). *Banking Law and Practice*: Chand.
- Rose Peter S. (2002), Commercial Bank Management, McGraw-Hill/Irwin, 5th edition, New York, USA.
- Saunders A. and Cornett M. (2013), Financial Institutions Management: A Risk Management Approach, McGraw-Hill/Irwin, 8th edition, New York, USA.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Business Law

ISCED Code: 0421

Course Code: LAW-2301

Credits: 03

Total Marks: 100; Pre-requisites: N/A

Course Title: Business Law

Contact Hours: 03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
		SEE: Semester End Examination	50 Marks

A. Introduction of the Course:

Ignorance of law is no excuse. A student of Economics and Banking should know the relevant Business Law. The purpose of this course is to provide the students with a basic understanding of business law. e. g. the basic provisions of Law of Contract, Law of Sale of Goods, Law of Partnership, Law of Negotiable Instruments, Company Law, Law of Carriage of Goods so that they can better understand other courses also.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

Students who successfully complete LAW-2301 should be familiar to basic understanding of legal environment of business. They should be able to use different legal directives to get their problems fixed relevant to business ventures of different types.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Illustrate the country's legal system, law of contract, its kinds and particularly essential elements of a contract without which a contract cannot be valid.	PLO-1, 4, 5	Cognitive/ Understanding
CLO2	Describe legal rules regarding valid offer and acceptance and describe how an offer lapses and make decisions in light of the provisions relating to discharge of contract, remedies for breach of contract.	PLO-2, 4	Cognitive/ Understanding
CLO3	Translate the provisions of indemnity, guarantee, bailment and pledge into business actions.	PLO-3, 4, 5	Cognitive/ Applying
CLO4	Apply knowledge of agency and sale of goods to establish business relations.	PLO- 4, 5	Cognitive/ Applying
CLO5	Analyze business ventures in light of negotiable instrument act, partnership act, arbitration and company act 1994.	PLO- 3, 5	Cognitive/ Analyze

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section A: Mid-term 30 marks		
1	Introduction and Law of Contract [Contract Act, 1872]: Definition of Contract, Essential Elements of a Valid Contract, Kinds of Contract. Offer and Acceptance: Definition of offer, Legal Rules Regarding a valid offer, Definition of Acceptance, Legal Rules Regarding a valid Acceptance.	9	CLO-1 CLO-2
2	Consideration, Discharge of Contracts and Remedies for breach: Definition of Consideration, Essentials of Valid Consideration, Discharge of contracts: Modes of Discharge in detail, Remedies for Breach of Contract: Suit for rescission, Suit for Damages, Kinds of damages, Suit upon quantum meruit, Suit for Specific performance, suit for an injunction.	9	CLO-3
	Section A: SEE 50 marks		
3	Indemnity & Guarantee, Contract of Bailment and Contract of Agency: Definition and examples of Indemnity and guarantee, Continuing guarantee, rights of surety, discharge of surety, etc. Contract of Bailment and Contract of Agency: Definition, Characteristics, Differences, Kinds, Rights and Duties	9	CLO-4
4	Law of Negotiable Instruments [Negotiable Instruments Act, 1881], and Law of Partnership [Partnership Act, 1932]:: Definition & Essentials of Promissory Note, Bill of Exchange, Cheque, Distinction Between Bill of exchange and Promissory Note, Distinction Between Bill of Exchange and Cheque, Dishonor of Cheque. Law of Partnership [Partnership Act, 1932]: Definition of Partnership, Essential Elements of Partnership, Formation of Partnership, Kinds of partnership, Procedure of Registration, Effects of Non-registration, Rights and duties of Partners, Dissolution of Partnership Firm.	9	CLO-5
5	Contract of Sale of Goods: Definition and features of the contract, Kinds of Goods, Sale Vs. Agreement to sell etc. Company Law [The Companies Act, 1994]: Difference Between Company and Partnership, Public Company and Private Company, Formation of a Company, Memorandum of Association, Article of Association, Difference between Article and Memorandum of association, Prospectus. Law of Arbitration	9	CLO-4, 5

D. Learning Resources

Text Books: Kuchhal, M. C., & Vivek, K. (2016). *Mercantile law*. Vikas Publishing House, New Delhi, India, Latest edition.

Reference Books: Act, I. C., & Act, N. I. BUSINESS AND ECONOMIC LAWS. AMITY UNIVERSITY, CHHATTISGARH, 1(3).

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Sciences of Qur'an and Hadith

ISCED Code: 0221
Course Code: GEED-2302
Credit: 01 Cr Hr

Course Title: Sciences of Qur'an and Hadith

Contact: 02 Cont. Hr.

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Rationale of the Course: The Holy Qur'an and Hadith are the main sources of Islamic Knowledge. They are the primary sources of Islamic *Aqidah*, *Ibadah*, *Muamalah* and *Akhlaq*. So after taking basic beliefs exactly from them and acquiring comprehensive knowledge about *Ibadah*, it is necessary to know the method of explanation and understanding the Holy Qur'an and Hadith in order to apply them in our worldly life. Thus this course is designed to make the students familiar with these two primary sources of Islamic knowledge and help them to remove any misconception prevailing in the society concerning with or contrary to the spirit of the Qur'an and Hadith by establishing their authenticity and superiority.

SL	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to :	Corresponding IIUCMS	Bloom's taxonomy domain/level
CLO1	To understand the nature and features of the holy Quran and Sunnah as the last revelation of Allah (SWT).	IIUCMS-1,2&3	Cognitive/ Understand
CLO2	To analyse how the both Quran and Sunnah has been collected, preserved and transmitted to us accurately and how the text of both are existed at present.	IIUCMS-1,2&3	Cognitive/ Analyse
CLO3	To understand the text of the holy Quran and Hadith based on their general and specific contexts.	IIUCMS-1,2&3	Cognitive/ Understand
CLO4	To analyse why <i>Shariah</i> does not accept any change or modification by human kind.	IIUCMS-1,2&3	Cognitive/ Analyse
CLO5	To understand the miraculous nature of the holy Quran, and how the Sunnah classified from various angles to find out authentic Hadith.	IIUCMS-1,2&3	Cognitive/ Understand

Course Content:

Chapter	Course Outline: <u>Section-A (Midterm Exam: 30 Marks)</u>	Number of Lectures	CLOs

01	Al-Quran: Some General information: (1) Definition of the Sciences of the Qur'an Literally and Terminologically (2) Definition of the <i>Qur'an</i> Literally and Terminologically (3) Various Names and Attributes of the Holy <i>Qur'an</i> and their Significance (4) Characteristics of the Holy <i>Qur'an</i> (5) Central Subject Matter & the Main Themes of the Holy <i>Qur'an</i> (6) The necessity of the Holy <i>Qur'an</i> (7) The authenticity of the Holy <i>Qur'an</i> .	4	CLOs-1
02	The Quranic Revelation (Wahi of the Holy Qur'an): (1) Meaning of <i>Wahi</i> (2) Various classifications and procedure of <i>Wahi</i> (3) Stages of revelation of the Holy <i>Qur'an</i> (4) Gradual revelation of the Holy <i>Qur'an</i> and the wisdom behind it (5) The First and the Last Revelation.	4	CLOs2
03	Division of the text of the Holy Quran: (1) The <i>Aayah</i> of the <i>Qur'an</i> : Definition of <i>Aayah</i> . The Number of <i>Ayah</i> , words and letters of the Holy <i>Qur'an</i> . The Arrangement of the <i>Ayah</i> of the Holy <i>Qur'an</i> (2) The <i>Surah</i> of The <i>Qur'an</i> : Definition of <i>Surah</i> . The Arrangement of <i>Surah</i> of the Holy <i>Qur'an</i> . The classification of <i>Surah</i> of the Holy <i>Qur'an</i> .	4	CLO-4
Section-B (SEE: 50 Marks)			
04	Understanding the text of the holy Quran: (1) Makki&Madani Revelations: (a) The Definition of <i>Makki</i> and <i>Madani</i> (b) The Characteristics of <i>Makki</i> and <i>Madani</i> Revelations (c) The benefits of knowing <i>Makki</i> and <i>Madani</i> Revelations. (2) Asbabunnuzul (The Causes of Revelation): Meaning and classification of <i>Asbabunnuzul</i> . The benefits of Knowing <i>Asbanunnuzul</i> . (3) Al-Naskh (Abrogation) Definition, The proofs, The Classifications of <i>Naskh</i> . The benefits of knowing <i>Nasikh</i> (abrogating) and <i>Mansukh</i> (abrogated) verses.	4	CLO5
05	Transmission of Quranic Revelation: (1) Types of transmission of Quranic revelation: Verbal Transmission & written form of transmission (2) Collection and compilation (<i>Jam`ul Quran</i>) (3) Stages of collection (4) difference between collection of Abu Bakr (ra) and Othman (ra).	3	CLO3
06	I'jaz al-Quran (Inimitability of The Holy Qur'an): Definition of <i>I'jaz</i> , Condition, The Proofs of <i>I'jaz</i> . Various aspects of <i>I'jaz Al-Qur'an</i> .	3	CLO5
07	General Information About Sunnah and Hadith: (1) Definition of <i>Sunnah</i> (2) Difference among <i>Qur'ane</i> , <i>Sunnah</i> and <i>Hadith Qudshi</i> (3) The Position, importance and authority of <i>Sunnah</i> in Islamic <i>Shari'ah</i> (4) history of Collection & Compilation of <i>Sunnah</i> .	4	CLO3
08	Explanation of some important terms of Sunnah, the classification of Hadith and fabrication in Hadith: (1) Explanation of some important terms of Sunnah: <i>Isnad/Sanad</i> , <i>Matn</i> , <i>Rawee</i> and <i>Riwayah</i> , <i>Al-jame'</i> , <i>Al-Musnad</i> , <i>Al-Sahih</i> , <i>Al-Sunan</i> , <i>Sahihayn</i> , <i>Muttafaqun 'Alayh</i> , <i>Al-kutub As-Sittah</i> ...etc. (2) The classification of Hadith: (a)According to the reference to a particular authority (b) According to the links in the <i>Isnad</i> (c) According to the number of narrators involved in each stage of the <i>Isnad</i> (d) According to the reliability and memory of the narrator.(3) Fabrication in Hadith: (a) Definition of Fabrication (b) Causes and consequence of fabrication (c) Some examples of commonly used fabricated <i>Hadith</i> in our society.	4	CLO5

List of Books

Sciences of Qur'an:

1. Denffer, Ahmad, vol. *UlumAl-Qur'an:An Introduction to the Sciences of the Qur'an*, The Islamic Foundation, UK, reprinted by – A.S. Noordeen, Kuala Lumpur. 1983.
2. Ushama, Dr.Thameem, *Sciences of the Qur'an: An Analytical Study*, International Islamic University Malaysia, Cooperative Limited, Kuala Lumpur. 1998.
3. Bucaille, Dr. Maurice, *The BibleThe Qur'an & Science*, Thinkers Library, Selangor Darul Ehsan. Malaysia, 1996.
4. Badruddin Muhammad bin Abdullah Al-Badruddin Al- Zarkashi, *Al-Burhan Fi UlumulQur'an*, Dar Al-Marifah, Bairuth, VI. 01.
5. *A Study of the Holy Qur'an and its Teachings*, First edition, IQRA International Education Foundation, Chicago, April-1999.

Sciences of Hadith:

1. Al-Azami, Dr Mohammad Mustafa, *Studies in Early Hadith Literature*, American Trust publication, Indiana, 1978.
2. Hasan, Dr.Suhaib, An Introduction to the Science of *Hadith*, London, *AL-Qur'an Society*, 1994.
3. Marhibi, Al-Hassan, Introduction to the Study of the *Hadith*, Roshmee, South Africa, Roshmee Islamic School, 1994.
4. Salih, Muhammad Adeeb, *Lamahat fee Usul al-Hadeth*, Damascus, 1393 AH.
 1. Siddiqi, Muhammad Zubayr, *Hadith Literature: its Origin, Development & Special Features*, Cambridge, Islamic Texts Society, 1993.

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Comparative Religion (for Non-Muslim Students)

ISCED Code: 0221

Course Code: URED 2305

Course Title: Comparative Religion (for Non-Muslim Students only)

Credits: 3 CH

Contact Hour: 4 Contact Hrs./week

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

The Rationale of the Course: Today there are several Religions In this world. Many men many minds and scopes of thinking are available. So, the Religions demand from everyone to compare among all these Religions and chose the excepted Religion by the Almighty Allah the Cherisher and sustainer of the worlds. So the followers of this chosen Religion will be able to perform their activities according to the directions of their belief and chosen Religion. This course is designed to help the students to know about the several Religions and compare their chosen Religion with other Religions and create a firm decision and belief to practice on it without hating any other relations. They also be able to make a good relationship between Islamic beliefs and their actions, thus they can make their activities perfect for both lives here and hereafter.

SL	Course Learning Outcomes (CLOs) : Upon the successful completion of the course, students will be able to :	Corresponding IIUCMS	Bloom's taxonomy domain/level
CLO1	Acquire basic knowledge about Major Religions	IIUCMS-1,2&3	Cognitive/ Understand
CLO2	Understand about the teachings and admonitions of different religions.	IIUCMS-1,2&3	Cognitive/ Understand
CLO3	Analyze the principles of Major Religions.	IIUCMS-1,2&3	Cognitive/ Analyze
CLO4	Evaluate the ultimate Goal of the followers of different religions.	IIUCMS-1,2&3	Cognitive/ Evaluate
CLO5	Students will develop skills in observing and critically analyzing religion in the contemporary world.	IIUCMS-1,2&3	Cognitive/ Analyze

Course Content Outlines:

Chapter	Contents	Number of lectures	Corresponding CLOs
	Section-A (Midterm Exam: 30 Marks)		
1	Comparative Religion: A. Definition of Religion B. Significance, Necessity and characteristics of Religion. C. Approaches to the study of religions (Historical, Anthropological, Sociological, Philosophical and Phenomenological etc.)	4	CLO1

2	<p>Origin and Development of Major Religions: A. Basic History of major religions (Judaism, Christianity, Hinduism, Buddhism and Islam). B. Founders and Profounder of religions.</p>	7	CLO1
3	<p>The features of Major Religions and Holy Books and Sacred Texts: A. The distinguishing features of major religions (Judaism, Christianity, Hinduism, Buddhism and Islam). B. Holy books and sacred texts of major religions.</p>	7	CLO1
Section-B (SEE: 50 Marks)			
4	<p>The Comparative study of God in major religions A. Concept of God in Judaism. B. Concept of God in Christianity. C. 5Concept of God in Hinduism D. Concept of God in Buddhism. E. Concept of God in Islam.</p>	6	CLO2
5	<p>Religious rituals, festivals and Holy places A. Rituals of major religions. B. Festivals of major religions. C. Holy places of major religions.</p>	5	CLO3
6	<p>The Comparative study of religious mentors and prophets in major religions A. Necessity of prophets and spirituals guides for human life. B. Comparative study of prophecy and religious mentors in famous religions.</p>	4	CLO3
7	<p>The comparative study of life after death in major religions A. Concept of death in different religions. B. Concept of the Day of Judgment in different religions C. Concept of Heaven and Hell in different religions D. Concept of Reward and Punishment in different religions.</p>	4	CLO3
8	<p>The understanding of Man and Universe in major religions. A. The purpose of Human being in different religions. B. The purpose of the Universe.</p>	4	CLO3
9	<p>The common in major religions: A. Ethics and Morality. B. Evil. C. Justice D. Destiny and Luck. E. Religious Diversity. F. Non-violence and peaceful co-existence. G. Harmony and Interfaith dialogue. H. Social Justice and Human Ideological rights.</p>	4	CLO5
<p>Texts Books: 1. Sharpe, E. J. (1989), Comparative Religion: A history. 2. Eliade, M. (1996) Pattern in Comparative Religion of Nebraska Press. 3. Eastman, Roger (1999), The ways of Religion: An Introduction to the Major Traditions, Oxford University Press, US, 3 Editions.</p>			

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Intermediate Macroeconomics

ISCED Code: 0311

Course Code: ECON-2402

Course Title: Intermediate Macroeconomics

Credits: 03

Contact Hours:03

Total Marks:100; Pre-Requisites: ECON-1201

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The purpose of the course in macroeconomics is aimed to teach students the basic tools of macroeconomics and apply them to the real world economic policy issues.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

The objective of the course is to analyze the aggregate or “macro” behavior of the economy. This course will consider short-run business-cycle issues, like how do unemployment and inflation change during periods of unusually fast economic growth or periods of unusually slow or even negative growth. Then discuss the New-Keynesian approach to explaining recessions. This course will also examine current issues in the conduct of monetary and fiscal policy. By the end of this course, students should be able to read and interpret articles in the Economist. The goal of the course is to give students the tools needed to analyze the aggregate (macro) behavior of the national economy and understand it in a coherent framework as well as to understand monetary and fiscal policy responses to short and long run economics.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom’s taxonomy domain/level
CLO1	Understand the importance of microeconomics as a foundation for macroeconomics and they will understand how aggregate economic activity is measured at the level of a nation	PLO-1, 2, 3	Cognitive/ Understanding
CLO2	Analyze how basic models of the economy summarize and explain the interactions between these main macroeconomic measures, output, employment, and inflation	PLO-1, 2, 4	Cognitive/ Understanding and analyzing

CLO3	Illustrate what causes economic activity to fluctuate over the years, from recessions to full employment and back	PLO-2, 3	Cognitive/ Applying
CLO4	Perceive the role of government in trying to smooth out these fluctuations and they will explicate the differences between adjustment in the short run and adjustment in the long run	PLO-2, 3, 4	Cognitive/ Analyzing

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid-term 30 marks			
1	Money: Definition, Origin, Evolution, Types of money, What is money and what is not money, Function of money, Different measure of money(M_1 , M_2)	9	CLO1 CLO4
	Money Supply and Money Demand: Definition, Process of money creation by fractional reserve banking, A model of money supply (relation of money supply, monetary base and money multiplier), Instruments of Monetary policy, Different motives or types of money demand, Income Velocity of money, The quantity theory		CLO2, CLO4
2	Goods Market: Definition of IS curve, Derivation of IS Curve, Determinants of IS curve slopes, Properties and Shift factors of IS Curve	9	CLO3 CLO4 CLO2
	Money Market: Definition of LM curve, Derivation of LM Curve, Determinants of LM curve slopes, Properties and Shift factors of LM curve.		CO2, CL03, CL04
Section B: SEE 50 marks			
3	Policy in the IS-LM Model: Simultaneous Equilibrium of the Goods and Money Market, Effect of Fiscal and Monetary Policies on IS-LM Model, Elasticity of LM Curve and Relative Effectiveness of Monetary and Fiscal Policies, Concepts of Crowding out and liquidity trap.	9	CLO3, 4
4	Aggregate Demand and Aggregate Supply: Concept of Aggregate Demand, Derivation of Aggregate Demand Curve, Shift in Aggregate Demand Curve, Concept of Aggregate Supply, Types of Aggregate Supply Curve with three Ranges, Shift in Aggregate Supply Curve.	9	CL02 CL04
	Equilibrium in Aggregate Demand And Aggregate Supply model: Determination of Income and Price Level, Shifting factors in Equilibrium (Fiscal & Monetary instruments), Stagflation		CL04
5	Monitoring Jobs and Inflation: Meaning of Unemployment, Why unemployment Is a Problem? Types of Unemployment. The Price	9	CL03

	Level- Inflation & Deflation, Why Inflation and Deflations Are Problems? Types Of Inflation (Demand-Pull & Cost-Push Inflation), The Consumer Price Index And Measuring The Inflation Rate, Distinguish Between High Inflation And High Price Tradeoff between unemployment & Inflation- the Phillips Curve.		
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D. Learning Resources:

List of References

Textbook

- Mankiw, N.G. & Ball, L. (2010). *Macroeconomics and the Financial system*. Macmillan.

Reference Book 1

- Snowdon, B. & Vane, H.R. (2002). *An encyclopedia of macroeconomics*. Edward Elgar Publishing.
- Parkin, M. & Bade, R. (1982). *Modern macroeconomics*. Deddington, Oxford: P. Allan.
- Gregory, M. (1988). *Macroeconomic theory and stabilization policy*.
- Ahuja, H.L. (2015). *Macroeconomics*. S. Chand Publishing.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Statistical Analysis

ISCED Code: 0542

Course Code: STAT-2402

Credits: 03

Total Marks: 100

Course Title: Statistical Analysis

Contact Hours: 03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Statistical analysis is a component of data analytics. In the context of business intelligence (BI), statistical analysis involves collecting and scrutinizing every data sample in a set of items from which samples can be drawn. A sample, in statistics, is a representative selection drawn from a total population. After completing the course, student will be able to research work and to analyze data for managerial decision-making.

B. Course Learning Outcome and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Understand the concept of a frequency distribution for sample data and be able to summarize the distribution by diagrams and statistics,	PLO-1	Cognitive/ Understanding
CLO 2	Analyze the principles of probability and the concept of probability distributions.	PLO-2	Cognitive/ Analyzing
CLO 3	Become familiar with binomial, Poisson, normal and log-normal probability distributions, Formulate linear combinations of random variables and the Central Limit Theorem,	PLO-3	Cognitive/ Applying
CLO 4	Construct the concepts of confidence intervals and hypothesis tests, Make statistical comparisons of means (paired and unpaired samples), proportions and variances	PLO-3	Cognitive/ Applying

C. Summary of Course Contents

SL NO	Course Content (as summary)	Hrs	CLOs
Section A: Mid-term 30 marks			
1	Probability Definition of probability, Sample space, Event, Different types of events, Conditional probability, Independent and dependent Events, Mutually Exclusive events, Additive & multiplicative rules of probability, Bayes theorem and its application in Economics and banking sector.	08	CLO1
2	Mathematical Expectation Random variable, Mathematical expectation of discrete random variable, mathematical expectation of continuous random variable.	10	CLO2 CLO3
3	Probability Function Definition, types, probability mass function and probability density function. Types of probability distribution.	03	CLO2 CLO4
Section B: SEE 50 marks			
4	Binomial Distribution Definition, Characteristics, Calculation, Relation between Binomial and Normal distribution.	06	CLO2 CLO4
5	Poisson Distribution Definition, Characteristics, Calculation, Relation between Binomial and Poisson distribution.	06	CLO2 CLO3
6	Normal Distribution Definition, Characteristics, Calculation, Normal distribution with its application in economics.	06	CLO3,4
7	Sampling & Sampling Distribution Population, Sample, Parameter, Statistic, Estimator, estimate, Population size, Sample size, Sampling theory, Sampling and non-sampling error, Sampling with & without replacement, Central limit theorem, Types of sampling, Probability sampling (Simple random sampling), Draw simple random sample by Random Number method, Sampling distribution of 'Z', 't', 'Chi-square', and 'F' statistic, sample mean and proportion and its application in Economics and Banking, Standard error, Determination of Sample Size.	08	CLO3,4

D. Learning Resources

(i) Textbook:

- Harnett, D., & Murphy, J., (1980) Introductory Statistical Analysis, Ed. 2nd, Addison-Wesley Publishing Company, USA.

- Anderson, D. R., Sweeney, D. J., & Williams, T. A. (2011) Statistics for Business and Economics, 11th Edition, South-Western Cengage Learning
- **James T. McClave, P. George Benon and Terry T Sincich(2012)** Statistics for Business and Economics

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Central Banking

ISCED Code: 0412

Course Code: BNKG-2403

Course Title: Central Banking (3 Credit Hours)

Credit Hour: 03,

Contact Hour: 03

Total Marks: 100; Pre-Requisites: BNKG-1201, BNKG-2302

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

This course provides students with necessary understanding and insights into the functions and roles of central bank, theories behind their operations and planning. After the global financial crisis (2007-2010) interest on the central banking by the academics and practitioners increased. There are contradictions on the role of central banking to the crisis. However, most of them agree that the role of central bank is essential for the future monetary and financial stability.

We start this course with some basic understanding and reasons behind the development of different roles and functions of central bank. Next we introduce the theoretical base for the decision making of the central bank. Then some fundamental ideas on monetary policy implementation and assuring financial stability are introduced. At last the basic operation of Bangladesh bank has been introduced.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

The objective of this class is to equip students with the theoretical and historical base of central bank.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Understand why the banking system needs a central bank; the theoretical and historical background of the central bank	PLO-1, 2	Cognitive/ Understanding
CLO2	Comprehend the mandates of modern central banking.	PLO-1, 2	Cognitive/ Understanding
CLO3	Illustrate the implications of monetary policy for central banking to the current global financial crisis.	PLO-3, 4	Cognitive/ Applying

CLO4	Explain how Central Banks implement the monetary policy; operational procedure for ensuring the financial stability.	PLO-3, 4	Cognitive/ Analyzing
CLO5	Analyze operational procedure of Bangladesh bank	PLO-3, 4	Cognitive/ Analyzing

C. Summary of Course Contents

Sl.no	COURSE CONTENT(as Summary)	Hrs	CLOs
	Section A: Mid-term 30 marks		
1	Introduction to Central Banking Concept of Central Banking, Concept of Money and its Relation to Central Banks, Brief History of Central Banking, Bretton Wood System, Gold Standard, Gold Exchange Standard	5	CLO1, CLO2
2	Modern Central Banking Roles & Functions Roles and Functions of Modern Central Banks, Money Creation Process, Use of Monetary Policy to Regulate Monetary Conditions in the Economy, Role of Central Banks in Payment System Oversight and Provision, Central Bank as a Lender of Last Resort, Central Bank as Bank Supervisors	5	CLO1, CLO2
3	A brief Overview of Modern Central Banking Mandates Different Mandates of Modern Central Banking, Monetary Stability Mandate, Financial Stability Mandate, Full Employment Mandate, Relationships among Mandates in the Short Run and Long Run Independence of Central Banking New focuses in central banking: Increased Independence, Transparency and Accountability, Legal Independence, Goal Independence, Operational Independence, Management Independence, Significance of Independence, Contemporary Threats to Independence of Central Banking,	5	CLO3
	Section B: SEE 50 marks		
4	Monetary Policy Regimes Various Monetary Policy Regimes that Central Banks have Adopted since the end of Bretton Wood System, Exchange Rate Targeting Regime, Money Supply Targeting Regime, Inflation-targeting Regime, and Unconventional Monetary Policy.	5	CLO3
5	Monetary Policy Implementation Financial Sector Vs. Real Sector, Money Market, Types of Monetary Policies, Central Bank's Tools for Monetary Policy Implementation: the Discount Rate, Reserve Requirements, and Open Market Operations.	5	CLO4
6	Financial Stability: Definition, Analytical Framework and Theoretical Foundation Define Financial Stability, Significance of Financial Stability as Central Banking Mandate, Risks Facing a Financial Institution and network of financial institution, information asymmetry in financial market.	5	CLO4

7	<p>Financial Stability: Identification and Monitoring of Risks & Intervention Tool</p> <p>Indicators used By Central Banks in Monitoring risks in the macro economy that are threats to Financial Stability and Tool used to mitigate these Risks, Indicators used by Central Banks in Monitoring risks in the Financial Institutions that are threats to Financial Stability Tool used to mitigate these Risks, Indicators used by Central Banks in Monitoring risks in the Financial Markets that are threats to Financial Stability Tool used to mitigate these Risks, Distinguish between Basel I, Basel II and Basel III.</p>	5	CLO5
8	<p>Bangladesh Bank (BB)</p> <p>Brief History of Bangladesh Bank, Management of BB, Functions of BB, Role of BB, Supervising, Monitoring and Controlling of Commercial Banks, Clearing House function of central bank, Investment Facilities Provided to people, Services, Issuance of Bank Notes and Coins, Payments and Settlement Systems, Central Hub of Country's Economic Data, Independence of BB.</p>	5	CLO5
9	<p>Case Study on Central Banking</p> <p>Analysis of Contemporary Cases related with Central Banking.</p>	5	CLO5

D. Recommended Books:

a. Text Book:

- Thammarak.. M. (2014). Central Banking: Theory and Practice in Sustaining Monetary and Financial Stability (5th edition). Wiley Finance Series. John Wiley & Sons Singapore Pte. Ltd publication. ISBN: 978-1-118-83246-2

b. Reference Book:

- Blinder. S. Alan (1999) Central Banking in Theory and Practice, the MIT Press.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Agricultural Economics

ISCED Code: 0311

Course Code: ECON-2401

Credit: 03

Total marks: 100

Course Title: Agricultural Economics

Contact Hour: 03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course

The main purpose of this course is to provide knowledge about agricultural production, agricultural input and output market, importance of technological progress in agricultural sector, intervention of the government to attain artificial equilibrium, functions of agricultural market, use of food and agricultural policy, land tenure, agricultural credit, public policy, risk and uncertainty etc.

B. Course Learning Outcome and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

After the successful completion of ECON 2401, the students will be able to achieve all those qualifications which are the mainstream objectives of this course. It will provide the students with theoretical basis of agricultural production and pricing. They will understand the impacts of various government policies in agricultural production, consumption and distribution system. On top of that they will be acquainted with the contemporary issues of agricultural sector.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Understand the core concepts of the course in question and the characteristics of agriculture in LDCs and evaluate the basic concepts of production in agriculture	PLO-1,5	Cognitive/ Understanding
CLO 2	Explain the equilibrium analysis in agricultural market and be able to understand the agricultural household behavior in production and consumption	PLO-2,3	Cognitive/ Understanding and analyzing
CLO 3	Analyze the economic impacts of different agricultural policy, and illustrate the agricultural credit market and economic analysis of sharecropping system	PLO-3,4	Cognitive/ Analyzing
CLO 4	Apply the learning to find solutions to the contemporary issues which may affect the agricultural production	PLO- 4	Cognitive/ Applying

C. Summary of Course Contents

SL No.	Course Content (as summary)	Hrs	CLOs
	Section A: Mid-term 30 marks		
1	<p>Introduction to Agricultural Economics: Nature and scope of agricultural economics, Structure and characteristics of agriculture in developing countries, Contribution of agriculture to GDP, SWOT (strengths, weaknesses, opportunities and threats), Analysis of agricultural sector of Bangladesh, Role of agriculture in the economic development of a country, Reasons for nonagricultural use of cultivable land.</p> <p>Economics of Agricultural Production: Review of the production relations: factor- product, factor-factor and product-product relationships in agricultural production function</p>	9	CLO 1
2	<p>Economic Optimum in Agricultural Production: Economic optimum in production relations: factor- product, factor-factor and product-product relationships</p> <p>Product supply and input demand: Mathematical problems in economic optimum, input demand-competitive model of input demand, asset fixity in agriculture.</p> <p>Effects of Technological Change in Agricultural Production: Types of technological change, technical, allocative and economic efficiency-Farrell's efficiency indices, technological change in production relations: factor- product, factor-factor and product-product relationships</p>	9	CLO 2
	Section B: SEE 50 marks		
3	<p>Agricultural product pricing: Interference with market equilibrium-price ceiling & floor pricing, Price support under the Common Agricultural Policy (CAP), Buffer stock, Price dynamics- time path of prices, seasonal patterns, the cobweb model, Mathematical representation of the cobweb model</p> <p>Agricultural Market Structure: Production and consumption activities within agricultural households, Structure and functions of agricultural markets, Marketing margin and farm prices</p>	9	CLO 3
4	<p>Food and Agricultural Policy: Nature and principles of policy elements, Classification of instruments and rules of policy, Analyzing the economic effects of policy instruments- input subsidy & food subsidy, Deficiency payments, Variable import tax and intervention buying</p> <p>Agricultural Credit: Credit in agriculture, Sources of credit, Agricultural credit institutions, Arguments for collateral, Access of</p>	9	CLO 4

	small farmers to institutional credit, Informal lenders vs. institutional lenders Economic Analysis of Sharecropping- Marshallian (tenant) model, Land owner model,		
5	Food Security: Food security definition-availability, accessibility and utilization of food, Causes of food vulnerability in Bangladesh, Food inflation in Bangladesh Emerging Issues in Agriculture: The Green Revolution in agriculture, Climate change and its impacts on agriculture, Agroforestry- definition, types, advantages, disadvantages and sustainable agricultural development.	9	CLO 4

D. Recommended Books:

Textbook:

- Colman, D. and Young, T., (1989), Principles of Agricultural Economics, Cambridge University Press, the United Kingdom

Reference Book:

- 1) Frank Ellis (1993), Peasant Economics: Farm Household in Agrarian Development, Cambridge University Press
- 2) S. Subba Reddy, Second Edition, Agricultural Economics, Oxford and IBH Publishing Company Pvt. Ltd.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Bangladesh Economy

ISCED Code: 0311

Course Code: BDEC-2401

Credits: 03

Total Marks:100; Pre-Requisites: NA

Course Title: Bangladesh Economy

Contact Hours:03

Course Assessments	CIE: Continuous	Attendance	10 Marks
	Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30 Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the course

This course provides a precise knowledge regarding Bangladesh Economy. The Fundamental Purpose of this course is to introduce the whole Economy of Bangladesh, Economic Factors, and Parameters to the students this course starts with an introduction of the scenario of Bangladesh Economics. Various economic systems are overviewed. Current macroeconomic situation is analyzed and discussed with a view to adapting different policies to the context of native economy. This course includes the nature and comparative contribution of agriculture, industry, external, energy and Financial sectors of the country. This course also focuses on problems, prospects and recommendations of these sectors and views some policies how to improve the present situation of the economy. Poverty alleviation ways are highlighted deeply in this course. The significance of forming human capital through education, training skills, and good health is discussed. .

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CIO-1	Understand the macroeconomic scenario to flourish various knowledge of undergrad level; and to forecast different policy formulation for the economy; and describe agriculture, industry, energy and service sectors in Bangladesh.	PLO-1, 2, 3	Cognitive/ Understanding
CLO-2	Analyze the sectorial development and analysis of sectors in a general equilibrium framework; and share knowledge on Financial institutions and monetary management and fiscal policy; Technology and human resource development.	PLO-1,2,4,5	Cognitive/ Understanding
CLO-3	Understand the role of public and private organizations stimulus and ways to alleviate poverty and minimize inequality; and use	PLO-2, 3	Cognitive/ Understanding and Applying

	alternative approaches to reduce difficulties faced by economy.		
CLO-4	Construct the long term performance view of Bangladesh by graph.	PLO-2,4	Cognitive/ Applying

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid-term 30 marks			
1	Macroeconomic Situation and related concepts: comparisons among various economic systems, GNP, GDP, Business Cycle, AD, AS, Inflation, Unemployment, Growth and Development, Budget, Subsidy, savings and Investment, Remittances, Foreign Direct Investment, Balance of Payments, Foreign Exchange, Foreign Exchange Reserve etc.	9	CLO1 CLO3 CLO4
2	Agriculture: Role of agriculture as a basis for industrialization; Current situation of agriculture; Problems and prospects of agriculture; Self-sufficiency in food; Agricultural Credit: Comparative analysis and sector wise allocation of GDP in agriculture. Constructive criticism and Recommendations of improving agricultural situation in the economy of Bangladesh.	6	CLO2 CLO4
3	Industry: Current situation of industry; Role of Industry; Size and Composition of Industrial Sectors; BSCIC; SMEs; BCIC; BSFIC; BSEC; BTMC; Bangladesh Handloom and Sericulture Industry; Problems and prospects of jute industry; Garments industries: Challenges and prospects.	3	CLO2, CLO6
Section B: SEE 50 marks			
4	Industry: Private vs Public Sectors; Nationalization and Privatization; Industrial Development and Industrial Policy in Bangladesh; Recommendations to develop Industrial situation in Bangladesh. External Sector: Role of IMF and World Bank; World Trade Organization and Bangladesh Regional Trade Agreements: APTA, SAFTA, SAPTA, BIMSTEC, TPS-OIC, GATT and its impacts; Problems and Prospects of Foreign Direct Investment (FDI); Composition and Direction of Foreign Trade of Bangladesh; Adverse Balance of Payments and its correction: A reality.	9	CLO4, CLO5
5	Fiscal & Financial Sector: Financing of Deficit Budget; Public Expenditure: Expenditure under ADP; Composition of ADP expenditure by major sectors; ECNEC, PPP, BEPZA, Five- Year Plans.	3	CLO1, CLO4
6	Power and Energy: Current Energy situation in Bangladesh; Contribution of Electricity in GDP and its Growth rate; Mineral resources; Energy Efficiency and Energy Conservation; Sustainable Energy; Problems and Prospects of Energy Security in Bangladesh	3	CLO1 CLO2 CLO6
7	Poverty Alleviation: Present Poverty situation in Bangladesh; Selected Programmers for Poverty Alleviation: Social Safety Net; Role of NGOs in Poverty Alleviation (Micro-Credit by Grameen Bank, PKSF, BRAC, ASA, PROSHIKA, TMSS Shakti Foundation, SSS, BURO, PRSP, ICT,	6	CO5 CO6

	Public and Private Banks); SDGs; Role of SDGs in Poverty Alleviation; Role of Zakah Management in Poverty Alleviation; Factors behind Poverty and Inequality; Challenges and Prospects in Poverty Alleviation in Bangladesh.		
8	Human Resource Development: Definition; Human Capital; Role of Education, Training, Technology to make up Human Capital; Reform initiatives to improve the quality of Education; Health Sector Development; Important Initiatives for Women, Child Development	3	CLO1 CLO4
9	Important Concepts: Vision-2021, Middle Income Country, Digital Bangladesh, Sustainable Development/Green Development, Green House Effect, Climate Change, Manpower Export, Rohingya Refugees. Economic History under different Governments	3	CLO4 CLO6

D. Learning Resources

- Khan A.R. and Hossain M (1989). The Strategy of Development in Bangladesh. Macmillan, London,
- Ullah M (2000). Bangladesh Economy (Turns of the Decades)
- Abu A (ed) (2000). Bangladesh Economy 2000: Selected Issues, BIDS, Dhaka-2001
- Islam S (1992). History of Bangladesh: 1704-1971, vol-2 (Economic History, Asiatic Society of Bangladesh, Dhaka.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Marketing Management

ISCED Code: 0414

Course Code: MKTG-2401

Credits: 03

Total Marks: 100; Pre-Requisites: N/A

Course Title: Marketing Management

Contact Hours: 03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks	
		Class test/ Assignment/ Quizzes		10 Marks
		Mid-term		30Marks
	SEE: Semester End Examination		50 Marks	

A. Introduction of the Course:

This course is designed to provide an overview of marketing and its management. It relates to the concepts, role functions and strategic issues that effect on marketing decision making process. The course exposes a solid undertaking of major decision areas, analyzing and application of various marketing techniques to provide marketing knowledge to be an efficient marketing manager and helps to establish Islamic principles and values in the marketing practice.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

Students who successfully complete MKTG-2401 should be familiar to basic understanding of marketing management. They should be able to use different tips and techniques to build long-term profitable relationship with customers through gaining customer satisfaction and loyalty.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Illustrate the marketing management with its core concepts and marketing management philosophies; and describe Strategic planning process, mission statements and Strategic Business Units.	PLO-1,5	Cognitive/ Understanding
CLO2	Analyze Business Portfolios and develop growth strategies for any business and translate the ideas on Marketing research and forecasting into smart decision making on the basis of market information	PLO-2,3	Cognitive/ Analyzing
CLO3	Apply knowledge of Market segmentation, Targeting, and positioning to design appropriate marketing Mix	PLO-2, 3	Cognitive/ Applying
CLO4	Develop new products following the steps and the learners will be able to formulate PLC and pricing	PLO-3, 4	Cognitive/ Analyzing

	strategies, advertising, sales promotion and public relations.		
CLO5	Make decisions on the basis of holistic, ethical and Islamic Marketing concepts.	PLO-5	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section A: Mid-term 30 marks		
1	Understanding Marketing: What is marketing? Marketing management, Marketing management philosophies, Marketing challenges, Strategic planning and the Marketing Process: Strategic Planning, Designing the Business Portfolio, Marketing process The Marketing Environment: The Company's Microenvironment, The Company's Microenvironment.	9	CLO1 CLO2 CLO3
2	Analyzing Marketing Opportunities: Marketing research and Information: The Marketing information system, The Marketing Research Process Selecting Target Market: Measuring & Forecasting Demand: Defining the market, Forecasting the future demand,	9	CLO3
	Section B: SEE 50 marks		
3	Segmentation, Targeting and Positioning for Competitive Advantage: Market Segmentation, Targeting and Positioning: Markets, Market Segmentation, Market Targeting, Positioning for Competitive Advantage, value proposition, Differentiation strategies	9	CLO4
4	Product and Branding Strategies: explain the levels of products, explain the types of consumer and industrial goods, influencing product policy, provide an overview of issues relating to the management of services, Service profit chain, Brand and brand development strategies. New Product development & Product PLC strategies: Issues relating to the management of existing products, and develop an understanding of the implications of the product lifecycle concept for the marketing mix, outline the issues associated with the development of new products.	9	CLO5
5	Pricing Policies & Strategies: explain the role of pricing in the financial services marketing mix, understand the complexities associated with pricing in financial services, and understand the different approaches and methods of setting price. Issues related to Advertising, Sales Promotion, and Public Relation. Ethical Issues in Marketing.	9	CLO5

D. Learning Resources

3. Text Books

Armstrong, G., Adam, S., Denize, S., & Kotler, P. (2014). Principles of marketing. Pearson Australia

Zeithaml, V. A., Bitner, M. J., & Gremler, D. D. (2018). Services marketing: Integrating customer focus across the firm. McGraw-Hill Education

4. Reference Books.

Hasan, R., Haque, M. S., Rahman, M. M., & Fatema, M. (2018). Principles of Marketing Conventional and Islamic Approach, BIIT

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Bangla Language and Literature

ISCED Code: 0232

Course Code: GEBL-2401: Course Title: Bangla Language and Literature

Credit Hours: 3 Contact Hour 3

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination	50 Marks	

A. Course Description: মাতৃভাষার আকর্ষণ দুর্নিবার। বাংলা আমাদের মাতৃভাষা এবং এটি বাংলাদেশের রাষ্ট্রভাষার মর্যাদায় অধিষ্ঠিত আছে। শিড়ার্থীদের ভাষাগত দৃঢ়তা অর্জনের জন্য কোর্সটিতে বাংলা ব্যাকরণের প্রয়োজনীয় বিষয়সমূহের সমন্বয় করা হয়েছে। বাংলাভাষা ও সাহিত্যের ইতিহাস, বাংলা সাহিত্যের প্রথিতযশা সাহিত্যিকদের গুরুত্বপূর্ণ কিছু সাহিত্য কর্ম সংযুক্তির মাধ্যমে কোর্সটিকে সমন্বয়যোগ্য ও ভারসাম্যপূর্ণ করা হয়েছে। কোর্সটির উদ্দেশ্য হচ্ছে বাংলাভাষা ও বাংলা ব্যাকরণের গুরুত্বপূর্ণ নিয়মাবলী সম্পর্কে শিড়ার্থীদের স্পষ্ট ধারণা প্রদান করা। কোর্সের অন্তর্ভুক্ত বর্ণ, ধ্বনি, শব্দ, বাক্য, বানানের নিয়ম, পরিভাষা, প্রতিবর্ণীকরণ, সমাস, প্রকৃতি-প্রত্যয়, এবং আরো অন্যান্য বিষয় সমূহের পাঠদানের মাধ্যমে শিড়ার্থীদের মৌখিক এবং লৈখিক ক্ষেত্রে ভাষার বিশুদ্ধতা অর্জনে সজ্জাম করা। বাংলা ভাষা ও সাহিত্যের ইতিহাস ও সাহিত্যের ক্রমবিকাশ সম্পর্কে অবগত করা। বাংলাসাহিত্যেও বিভিন্ন আঙ্গিক ও গুরুত্বপূর্ণ কিছুসাহিত্যের বিদ্যায়তনিক পাঠের মাধ্যমে শিড়ার্থীদেও উদার নৈতিক কণ্ঠে গড়ে তোলাও কোর্সটির অন্যতমএকটি উদ্দেশ্য।

B. Course Learning Outcomes and mapping of CLO to PLO

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	শিড়ার্থীরা বাংলা ব্যাকরণের নিয়মগুলো অধ্যয়নের মাধ্যমে শুদ্ধভাবে বাংলা বলা ও লেখার যোগ্যতা অর্জন করবে।	PLO-1	Cognitive/ Understanding
CLO2	শিড়ার্থীরা বাংলা শব্দের উচ্চারণ প্রণালী সম্পর্কে অবগত হবে এবং শুদ্ধ উচ্চারণে সক্ষম হবে; বাংলা লেখার ক্ষেত্রে শুদ্ধ বানান প্রয়োগে শিড়ার্থীরা সমর্থ হবে।	PLO-2	Cognitive/ Applying
CLO3	শিড়ার্থীরা বাংলা সাহিত্যেও বিভিন্ন আঙ্গিকের (কবিতা, প্রবন্ধ, ছোটগল্প) স্বরূপ উপলব্ধি করতে পারবে।	PLO-3	Cognitive/ Understanding

CLO4	বাংলা সাহিত্যের ইতিহাস (প্রাচীন, মধ্য ও আধুনিকযুগ),সাহিত্যেও যুগবিভাগ ও সাহিত্যের ক্রমবিকাশ সম্পর্কে শিক্ষার্থীরা স্পষ্ট ধারণা অর্জন করবে; বাংলা সাহিত্যের প্রথিতযশা সাহিত্যিক ও তাঁদের উল্লেখযোগ্য সাহিত্য কর্মের সাথে শিক্ষার্থীরা পরিচিত হতে পারবে।	PLO-2	Cognitive/ Analyzing
CLO5	কোর্সটি অধ্যয়নের মাধ্যমে শিক্ষার্থীরা সজনশীল লেখায় অভ্যস্ত হতে পারবে।	PLO-3	Cognitive/ Applying

C. Summary of Course Contents

SL NO	CONTENT OF COURSE (as Summary)	Hrs.	CLOs
Section A: Mid-term 30 marks			
01.	বাংলাভাষার উদ্ভব ও সাধারণপরিচয়: ভাষারসংজ্ঞা, ভাষারইতিহাস, বাংলাভাষার উদ্ভব ও ক্রমবিকাশ।	06	CLO1
02.	বাংলাবর্ণ ও ধ্বনিপরিচয়: সংজ্ঞা, বর্ণ ও ধ্বনিরসম্পর্ক, বর্ণ ও ধ্বনিরউদাহরণসহআলোচনা।	06	CLO2 CLO3 CLO5
03.	বাংলাবানান: ণ-ত্ব বিধান, ষ-ত্ব বিধান ও প্রমিত বাংলা বানানের নিয়ম: সংজ্ঞা, উদাহরণ সহ বাংলা বানানের নিয়ম আলোচনা।	06	CLO5
Section A: SEE 50 marks			
04.	পরিভাষা: সংজ্ঞা, ইতিহাস, প্রয়োজনীয়তা ও উদাহরণ।	06	CLO4
05.	শব্দ: সংজ্ঞা, প্রকারভেদ ও উদাহরণ।	03	CLO4
06.	বাক্য: সংজ্ঞা, প্রকারভেদ, গঠনকৌশল ও উদাহরণ।	06	CLO4 CLO5
07.	প্রতিবর্ণীকরণ: নিয়মআলোচনা।	03	CLO5
08.	সমাস ও প্রকৃতি-প্রত্যয়: সংজ্ঞা, প্রয়োজনীয়তা, প্রকারভেদ ও উদাহরণ।	03	CLO5
09.	সারাংশ, সারমর্ম, ভাবসম্প্রসারণ, পত্রলিখন: সংজ্ঞা, প্রায়োগিক আলোচনা।	06	CLO5

D. Reading Materials (Books):

১. বাঙ্গালা ভাষারইতিবৃত্ত: মুহাম্মদ শহীদুল্লাহ।
২. বাঙ্গালা ব্যাকরণ: মুহাম্মদ শহীদুল্লাহ।
৩. বাংলাউচ্চারণঅভিধান: নরেনবিশ্বাস।
৪. বাংলাভাষারব্যাকরণ: জ্যোতিভূষণচাকী।
৫. বাংলাবানানেরনিয়ম: মাহবুবুলহক।

৬. প্রতিবাংলাবানানেরনিয়ম: বাংলাএকাডেমী।
৭. বাংলাবানানসংস্কার: সমস্যা ও সম্ভাবনা: পবিত্রসরকার।
৮. অভিধান: মোহাম্মদ আব্দুলকাইয়ুম।
৯. গল্পগুচ্ছ: রবীন্দ্রনাথ ঠাকুর।
১০. প্রবন্ধ: কাজী নজরুল ইসলাম।

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Text of Ethics and Morality-2

ISCED Code: 0221

Course Code: GEEM-2402

Credit Hours: 1

Course Title: Text of Ethics and Morality-2

Contact Hours: 2 Lectures per Week

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class Test/ Assignment/ Quizzes	10 Marks
		Mid-term	30 Marks
	SEE: Semester End Examination		50 Marks

Rationality of the Course: The main objectives of this course are:

- a. To make students capable of understanding the text of the *Hadith* so that they can understand the rules of ethics from the second source of ethical book and also capable of understanding the basic Arabic language so that they can communicate with the foreign countries and be fit with labor market worldwide especially in the Middle East.
- b. To inspire students and make them interested in reading the *Hadith* as the second main source of ethics as well as the only reliable explanation of the holy *Qur'an*, the basic book of ethics, last divine scripture and the complete code of life.
- c. To make students familiar with the instructions of the Prophet Muhammad (PBUH), the most influential person and excellent model of ethics, so that they can lead their life being enlightened and be sincere and moral in all of their activities.
- d. To go towards achieving the motto of the university – to combine quality with morality.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding IIUC Mission	Bloom's taxonomy domain/level
CLO-1	<i>The students will have knowledge of understanding the text of the Hadith</i>	IIUCMS-2	Cognitive/ Understanding
CLO-2	<i>They will be capable of understanding the basic Arabic language.</i>	IIUCMS-1	Cognitive/ Understanding
CLO-3	<i>They will be able to attain the rules of ethics from the second source of ethical book- the Hadith and to achieve the knowledge of Arabic language to be fit with labor market worldwide especially in the Middle East.</i>	IIUCMS-3	Cognitive/ Understanding

Course Content

Section-A (Midterm Exam: 30 Marks)		Number of Lecture	CLOs
Chapter # 01	<ol style="list-style-type: none"> 1. An introduction to the text of ethics and morality and an introduction to Arabic language. 2. Selected text on importance of intention. 3. Selected text on importance of well-wishing in Islamic religion. 4. The fundamental rules of uttering a letter in a word 	04	CLO2
Chapter # 02	<ol style="list-style-type: none"> 1. Selected text on true obedience to the prophetic injunctions. 2. Selected text on the beauty of Islamic character. 3. Selected text on good behavior with the neighbors and showing honor to the guest. 4. Selected text on compensating the bad with good. 5. Exercise of adverb of time and place 6. Exercise of simple nominal sentence in Arabic. 	06	CLO1
Chapter # 03	<ol style="list-style-type: none"> 1. Selected text on the signs of a hypocrite. 2. Selected text on the responsibilities of Islamic brotherhood. 3. Exercise of adverb of time and place 4. Exercise of adverb of time and place. 	04	CLO1
Section-B (SES: 50 Marks)			
Chapter # 04	<ol style="list-style-type: none"> 1. Selected text on encouragement on good deeds. 2. Selected text exemption of the faults committed due to mistake or forgetfulness. 3. Subject and predicate of an Arabic sentence. 4. The name of days and months in Arabic. 5. The names directions in Arabic. 	05	CLO2
Chapter # 05	<ol style="list-style-type: none"> 1. Selected text on professionalism in Islam. 2. Exercise of possessive phrase in Arabic 	03	CLO3
Chapter # 06	<ol style="list-style-type: none"> 1. Selected text on religious obligation on avoiding illegal activities and injustice. 2. Exercise of descriptive phrase 	02	CLO3
Chapter # 07	<ol style="list-style-type: none"> 3. Selected text on the secret for being beloved to all. 4. Conversation: myself and my family members. 	02	CLO3
Chapter # 08	<ol style="list-style-type: none"> 1. Selected text on the most valuable things for a Muslim. 2. Conversation on house, market and job place in Arabic 	04	CLO3
		30	

Recommended Books:

1. Azami, M., *Studies in early Hadith literature* (Indianapolis: American Trust Publications, 1978).
2. Burton, J., and *Introduction to the tradition* (Edinburgh: Edinburgh University Press, 2000).
3. Dr. Abu Bakar Rafique, *Text and Translation from Hadith*, Abc publication, Chittagong, 2016.
4. Dr. M. Fazlur Rahman, *Everyday Arabic Conversation*, Riyad Prokashani, Dhaka, 2005.
5. Izzath Uroosa, *Learning Arabic Language of the Qur'an*, Darussalam, Riyadh, 2010.

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Mathematics for Economists

ISCED: 0541

Course Code: MATH-3503

Course Title: Mathematics for Economists

Credits: 03

Contact Hours:03

Total Marks:100; Pre-Requisites: MATH-1101, MATH-2302

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks	
		Class test/ Assignment/ Quizzes		10 Marks
		Mid-term		30Marks
	SEE: Semester End Examination		50 Marks	

A. Introduction of the Course:

Mathematical economics in so far as geometrical methods are frequently utilized to derive theoretical results. This course provides an introduction to the mathematical techniques used in contemporary economics, including multivariable calculus, comparative statics, and unconstrained and constrained optimization. Emphasis will be placed on applications of microeconomic and macroeconomic theory, and the interpretation and translation of mathematical results into economic terms. Students learn how to use and apply mathematics by working with concrete examples and exercises. Moreover, this course is aimed at showing what constitutes a solid proof. The ability to present proofs can be trained and improved and in that respect the course is helpful. It will be shown that math is not reduced just to “cookbook recipes”. On the contrary the deep knowledge of math concepts helps to understand real life situations.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course is an important part of the undergraduate stage in education for future economists. It's also useful for graduate students who would like to gain knowledge and skills in an important part of math. It gives students skills for implementation of the mathematical knowledge and expertise to the problems of economics. Its prerequisites are both the knowledge of the single variable calculus and the foundations of linear algebra including operations on matrices and the general theory of systems of simultaneous equations. The course covers several variable calculus, both constrained and unconstrained optimization. The course is aimed at teaching students to master comparative statics problems, optimization problems using the acquired mathematical tools. The objective of the course is to acquire the students' knowledge in the field of mathematics and to make them ready to analyze simulated as well as real economic situations.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Apply mathematical methods and techniques that are formulated in abstract settings to concrete economic applications; and perform basic and by parts integration.	PLO-1, 2, 4	Cognitive/ Understanding

CLO2	Use integration and matrix algebra techniques in economic analysis.	PLO-2	Cognitive/ Understanding
CLO3	Analyze difference and differential equations of first and second order. Solve problems involving variables that discretely and continuously grow over time.	PLO-3, 4	Cognitive/ Applying
CLO4	Find solutions to unconstrained optimization problems by identifying relative and global maximums and minimums of single and multivariable functions.	PLO-3, 4	Cognitive/ Analyzing
CLO5	By applying the basic facts of linear programming, be able to investigate economic problems of optimization.	PLO-3, 4, 5	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	COs
Section A: Mid-term 30 marks			
1	Introduction and review of basic concepts: mathematical methods and techniques formulated in abstract settings to concrete economic applications; basic and by parts integration.	6	CLO1
2	Concept and Application of Integration: Meaning of Integration, Definite Integration and Indefinite Integration. Techniques of Integration, Application: Total Function from Marginal Function , Consumption-Saving Examples, Consumer- Producer Surplus,	12	CLO2, CLO3
Section B: SEE 50 marks			
3	Differential Equations: First-Order Differential Equation with Constant Coefficient and Constant Term, First-Order Differential Equation with Variable Coefficient and Variable term, economic applications and examples.	9	CL03 CLO4
4	Exact Differential Equation: Concept, model construction and solution. Application of Differential Equations in Economics: Dynamics of Market Price. Difference Equations: First-Order Difference Equation: Iterative Method, General Method, Application of Difference Equation in Economics: The Dynamic Stability of Equilibrium, The Cobweb model.	9	CLO1, CL03, CL04
5	Linear Programming: Definition of linear programming, difference between linear and non-linear programming, ingredients of linear programming. Mathematical Problems of Linear Programming: Graphical Method, Simplex Method.	9	CLO5

D. Learning Resources

Text Books

- Chiang, A. C., (1974), Fundamental methods of mathematical economics.Ed.4th, McGraw-Hill, Tokyo.
- Allen, R., and Douglas, G., (1938), London School of Economics, and Political Science. Mathematical analysis for economists. No. HB74. M3 A38. London: Macmillan.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Statistics for Economists

ISCED Code: 0542

Course Code: STAT-3503

Credits: 03

Total Marks: 100

Pre-Requisites: Elementary Statistics & Statistical Analysis

Course Title: Statistics for Economists

Credit Hour: 03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The Fundamental Purpose of this Course is designed to equip with a basic understanding of economic data analysis tools and techniques. A common goal of statistical research is to find links between variables. By using **correlation** to identify the strength and direction of a linear relationship between two variables and using **regression** to predict how much a dependent variable change based on adjustments to an independent variable. To run and interpret time-series models and regression models for **time series data**. Also, to learn how to apply the concept of analysis of time series data in various contexts such as economics, finance, marketing and banking. Furthermore, to know how to formulate the necessary steps of **hypothesis testing** for making precise decision about different types of statistical hypothesis.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

The objective of this course is to provide an understanding for the graduate student in Economics and Banking Discipline on statistical concepts to include measurements of sampling, estimation, hypothesis testing, regression, and correlation analysis, multiple regression and business/economic forecasting. By completing this course, the student will learn to perform the following:

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Learn how to draw a sample from population for simple random sampling	PLO-4	Cognitive/ Understanding
CLO2	Understand to operate classical statistical inference regarding confidence intervals.	PLO-1	Cognitive/ Understanding
CLO3	Compute and interpret the results of Bivariate and Multivariate Regression and Correlation Analysis for forecasting	PLO-1	Cognitive/ Applying
CLO4	Perform Test of Hypothesis as well as calculate confidence interval for a population parameter for	PLO-3	Cognitive/ Applying

	single sample and two sample cases. Learn Chi-Square test for Independence as well as Goodness of Fit. Also perform ANOVA and F-test.		
CLO5	Run and interpret time-series models and regression models for time series	PLO-3	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	COs
Section A: Mid Term 30 Marks			
1	Sampling: Probability/random sampling: Stratified random sampling; Cluster sampling (One-stage, Two-stage, Three-stage and Multi-stage), Systematic sampling; PPS sampling; Two-Phase and Multi-Phase Random sampling, Area sampling etc., non-Probability sampling: Accidental/ Convenience/ Opportunity/ Availability/ Haphazard/ Grab Sampling; Quota Sampling; Judgment/ Subjective/ Purposive Sampling; Snowball Sampling etc., and some others sampling, Determination of sample size in qualitative and quantitative survey.	9	CLO1
2	Statistical Estimation Theory: Estimation of parameter, Point & Interval estimator, Estimate, Estimator, Point estimator of mean, variance, standard deviation, proportion, correlation coefficient, and regression coefficient, Criteria of a good estimator, Confidence interval, Confidence coefficient, Confidence interval for single mean and difference between two means, single proportion and difference between two proportion, variance, correlation coefficient, and regression coefficient.	9	CLO2
Section B: SEE 50 Marks			
3	Correlation & Regression: Introduction to Correlation, Linear and Non-linear Model, Cause and Effect Relation, Scatter Diagram, Correlation, Linear and Non-linear Correlation, Positive and Negative Correlation, Perfect Correlation, Multiple and Partial Correlation, Coefficient of Correlation, Introduction to Regression, Regression Analysis, Difference between Correlation and Regression, Estimation of Regression Line, Multiple Regression and coefficient of determination.	9	CLO3
4	Hypothesis Testing: Statistical hypothesis, Type I and Type II Error, One tailed & two tailed Test, Steps of test of hypothesis, Hypothesis testing for single mean, Equality of two means, Paired t-test, Single proportion, Equality of two proportions, Correlation coefficient and regression coefficient, Hypothesis testing for single variance, Equality of two variances, Independence of attributes test and Analysis of variance (ANOVA).	9	CLO4
5	Time Series Analysis: Introduction to Time Series, Objectives and Uses of Time Series Analysis in Economics and Banking, Components	9	CLO5

	of Time Series, Secular Trend, Seasonal Variation, Cyclical Variation, Irregular Variation, Statistical Model of Time Series Analysis, Reasons for Occurring Trends, Measurement of Trends by Using Method of Semi Average & Moving Average, Measurement of Trend Value by Using Least Squares Methods, Mean Absolute Deviation, Mean Square Error.		
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D. Recommended Books:

- Schiller, J., Spiegel, M., & Srinivasan, R. A., (2012), Schaum's Outline of Probability and Statistics: 760 Solved Problem. McGraw Hill Professional, USA
- Anderson, D. R., Sweeney, D. J., & Williams, T. A. (2011) Statistics for Business and Economics, 11th Edition, South-Western Cengage Learning
- Gupta, S. P., & Gupta, M. P. (2010), Business statistics. Sultan Chand & Sons, India

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Islamic Economics

ISCED Code: 0311

Course Code: ECON-3501

Course Title: Islamic Economics

Credits: 03

Contact Hours:03

Total Marks: 100

Pre-Requisites: ECON-1101, ECON-1201, ECON-2302, BNKG-2302, BNKG-2403, ECON-2402

Course Assessments	CIE: Continuous	Attendance	10 Marks
	Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Islamic economics deals with various aspects such as production, consumption, distribution, pricing of factors of production in Islam, market strategies etc., and all these areas will be dealt with in the course in Islamic perspective. Moreover, the Islamic public finance i.e. *zakat* and Islamic banking system will also be covered in the course with due emphasis. Furthermore, a comparative analysis of different economic systems will also be made in the course so as to enable the students to formulate ideas regarding Islamic economics in its truest perspective.

B. Course Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO)

The aim of the course is to provide a conceptual framework of Islamic Economics. The course is designed to enable the students to understand how Islam and Islamic worldview permit all aspects of life including economics. The basic premise of this course is that the study of Islamic economics proceeds from the Islamic worldview and has to be developed according to a methodology that is founded upon this worldview.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Explain the methodologies, concepts and principles of Islamic economics; different market structure compare with conventional economy.	PLO-1	Cognitive/ Understanding
CLO2	Analyze the recommendations found in Islamic economic thought for conducting economic development and management;	PLO-3, 4	Cognitive/ Analyzing
CLO3	Materialize the implications of Islamic ethics for sustainability and social responsibility in modern economic system.	PLO-1, 3	Cognitive/ Applying
CLO4	Interpret an overview of macroeconomics in an Islamic framework.	PLO-3, 4	Cognitive/ Analyzing

CLO5	Understand the public finance system in Islamic point of view.	PLO-1	Cognitive/ Understanding
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C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Introduction: Definitions, development of Islamic economic thought, basis of Islamic economics, goals or objectives of Islamic economics, assumptions of Islamic economics, main sources of the knowledge of Islamic economic study, importance of Islamic economics.	3	CLO1
2	Comparative Economic Systems: Laissez-faire (market) economy, socialist (command) economy, mixed economy, differences between Islamic economy and capitalist economy.	3	CLO1, CLO3
3	An overview of microeconomics in an Islamic framework: Consumer Behavior in Islam: Some basic concepts – characteristics of consumer in an Islamic economy, differences between capitalist and Islamic consumer's behavior, want-utility vs. need- <i>maslahah</i> , Objectives of consumption in Islam.	3	CLO3, CLO4
4	Theory of consumer behavior in Islamic economics: Model of Monzer Kahf, Anas Zarqa and Ausaf Ahmed; their differences with conventional theory of consumer behavior, derivation of final spending function, shifts in the final spending function.	6	CLO5
5	Theory of production in Islam: Objectives of production, the goals of the firm, differences between firms in an Islamic society and in a traditional society, understanding of the concept of profit and profit share in Islam.	3	CLO4
Section B: SEE 50 Marks			
6	Islamic perspective on market prices and allocations: objectives, Islamic approach to market prices – Islamic pricing policy- Three policy options, need vs. demand, Islamic theory of effective need-based demand and potential capacity- based supply and market mechanism.	6	CLO2
7	Market structure in Islam: Perfect Competition: Definition, equilibrium condition, characteristics, comparison between conventional and Islamic competitive market.	6	CLO2
8	Monopoly market and Islam: Characteristics of a monopolist in Islam, price-quantity relationship of a monopoly market in an Islamic perspective, price discrimination and Islam, covering loss through price discrimination. Oligopoly market and Islam: Definition of oligopoly market and its characteristics, kinked demand curve in an oligopoly market and Islamic	3	CLO2

	perspective, Profit maximization and sales maximization, Satisfying behavior, advertising in Islam.		
9	Money in an Islamic economy: Barter versus the use of money in Islam, kinds of money, Sources of monetary expansion, Objectives of monetary policy, Instruments of Islamic monetary policy.	3	CLO5
10	Islamic banking system: Definition of <i>riba</i> , different concepts about <i>riba</i> , characteristics of <i>riba</i> , types of <i>riba</i> , reasons behind prohibition of <i>riba</i> . Concept of Islamic Banking: Emergence of Islamic banking system, features of Islamic banking, objectives of Islamic banking, differences between traditional banking and Islamic banking, sources of funds of Islamic banks, financing systems of Islamic banks.	3	CLO5
11	Public finance in Islam: Past and Present: <i>Zakat</i> and Islam – what is <i>zakat</i> and why is <i>zakat</i> ? Differences between <i>zakat</i> and tax system, role of <i>zakat</i> in poverty reduction, some controversial issues. Law of Muslim inheritance and its significance: <i>Shari'ah</i> law and amendments in the law, practice of this law in Bangladesh.	6	CLO5

E. Learning Resources

- Mannan, M. A. (1984), *The Making of Islamic Economic Society: Islamic Dimensions in Economic Analysis*. International Association of Islamic Banks.
- Chowdhury, M. Abdul Mannan, (1993), *Islamic Economics: Theory and Practice*.
- Hamid, M.A. (2009) - *Islamic Economics: An Introductory Analysis*, Rajshahi, Bangladesh

F. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Public Finance

ISCED Code:0311

Course Code: ECON-3502

Credits: 03

Total Marks: 100

Course Title: Public Finance

Contact Hours: 03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The main objective of this course is to provide students the theoretical and empirical knowledge on how the public sector plays role in economic activities. After completing the course, the students will be able to understand how public sector policies can be made efficiently. They will learn how public sector interacts with the private sector to ensure maximum social welfare in the face of limited amount of resources. Students also will be able to develop familiarity with the ways in which mismanagement occurs and how improvements can be made.

B. Course Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Explain the theory and practice of public finance and different types of goods; develop analytical skills and understanding of economic efficiency and market failure	PLO-1, 2	Cognitive/ Understanding
CLO2	Identify the types of public needs and the mechanisms of their financing and analyze the functioning of modern public finance	PLO-1, 2	Cognitive/ Understanding
CLO3	Argue the theoretical basis of public expenditures and to analyze their types and economic effects	PLO-2, 4	Cognitive/ Applying
CLO4	Classify public revenues and integrate them into the fiscal and tax system, investigate the causes of public debt.	PLO-1, 2, 4	
CLO5	Classify public revenues and expenditures through the budget and to analyze the instruments and objectives of budgetary policy.	PLO-1, 3, 5	

C. Summary of Course Contents

SL. #	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Introduction to Public Finance: Definition, its nature and scope, major functions, comparison with private finance, role of public finance in developing, developed capitalist, socialist countries and Islamic economics, Functions of public finance.	3	CLO1
2	Classifications of goods: Public goods, private goods, quasi-public goods, quasi-private goods, club goods.	6	CLO1
3	Economic Efficiency and Market Failure: Pareto efficiency and efficient resource allocation, causes of Market Failure, role of government in mitigating market failure.	6	CLO2
Section B: SEE 50 Marks			
4	Public Expenditure: Different principles, causes of growth of public expenditure, effects and limitations of public expenditure, public expenditure in Bangladesh.	6	CLO3, CLO4
5	Taxation: Definition, principles of taxation, concepts of equal sacrifice, tax structure, tax structure of Bangladesh.	3	CLO4
6.	Method of Tax Analysis: Impact and incidence of taxation, tax shifting, incidence of different taxes, excess burden of tax.	3	CLO4
7.	Public Debt: Private debt vs. public debt, sources of public debt, classifications, benefits and burden of public debt, public debt vs. taxation and money creation, public debt in Bangladesh	6	CLO5
8	Fiscal Policy: Defining, objectives and instruments of fiscal policy, political and economic considerations in making fiscal policy, implementation of fiscal policy, fiscal policy in developed and underdeveloped countries.	6	CLO5
9.	Budget: Definition, classifications, budget balance and national balances, sources of revenue and areas of expenditure, critical appraisal of the recent budget of Bangladesh.	6	CLO5

D. Learning Resources

Text Books

- Harvey, R. and Gayer, T., 2013. Public finance. McGraw-Hill Higher Education.
- Bhatia, H.L., 2009. Public finance. Vikas publishing house PVT Ltd.
- Musgrave, R.A. and Musgrave, P.B., 1973. Public finance in theory and practice.
- Hyman, David N. 1993. Public finance: a contemporary application of theory to policy. Fort Worth: Dryden Press
- Browning, E.K. and Browning, J.M., 1979. Public finance and the price system. Macmillan.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Taxation and Zakat

ISCED Code: 0411

Course Code: ACC-3502

Course Title: Taxation and Zakat (3 Credit Hours)

Credit Hour: 03,

Contact Hour: 03

Total Marks: 100; Pre-Requisites: ACC-2301

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
	Mid-term		30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

This course provides a precise knowledge regarding the tax system in Bangladesh and Zakat. This course starts with an introduction to taxation. Then income, income tax and its basics are determined. This course includes the determination of different heads of income tax such as income from salary, interest on securities, house property, business and profession, agriculture, capital gains and other sources. It also includes VAT and its calculation, tax evasion and avoidance. Finally, discussion regarding zakat and its calculation and practical implication are included. This course is taught through a combination of lecture, discussion, homework and examinations.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course main aims at providing the students with basic knowledge of tax laws of the country. It also aims at imparting knowledge of practical aspect of taxation. At the end of this course, student should have a clear understanding of the taxation system in Bangladesh and a deep concept of zakat.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Understand the concept of the operation of national tax system. To know about Income and classification, basics of income tax, and compute individual's total income and net tax liability.	PLO-1, 4	Cognitive/ Understanding
CLO2	Understand the VAT, Types of VAT and calculation of VAT.	PLO-2, 4	Cognitive/ Understanding
CLO3	Identify the persons who are liable to pay zakat, who can receive zakat. This course will also help to calculate the amount of nisab, rate of zakat on different items and total amount of zakat. It will	PLO-2, 4	Cognitive/ Applying

	teach the students how zakat can play role in eradicating poverty.		
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C. Summary of Course Contents

Sl.no	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section A: Mid Term 30 Marks		
1	Introduction to Taxation: Definition of Tax, Characteristics of Tax, Purposes or Objectives of Taxation, Canons of Taxation, Classification of Taxes, Characteristics of a good tax system, Tax structure in Bangladesh. Income Tax: Definition of Income Tax, Characteristics of Income Tax, Role of Income Tax in Economic Development of Bangladesh, Scope of Bangladesh Income Tax Law.	5	CLO1, CLO2
2	Basics of Income Tax: Income year & its determination, Importance of Income Year, Assessment year, Definition and classification of assessee, Residential status of Assessee, Effect of Residential status, Rules for determining residential status, Rate of taxes. Income and Its Classification Definition of income, Classification of income, Characteristics of Income, Sources of income, List of non-assessable incomes, List of tax credit income or investment allowance.	5	CLO1, CLO2
3	Session 4-Tax authorities Who are the tax authorities? Powers and functions of NBR and DCT. Income from Salary: Definition of salary, Chargeability of incomes under the head “Salary”, Elements of salary and explanations regarding the ITO, 1984, Provident Fund related issues, Problems solving.	5	CLO1, CLO2
	Section B: SEE 50 Marks		
4	Income from Interest on Securities: Scope of the head “Interest on Securities”, Basis of taxation on interest on securities, Conditions of taxation on interest on securities, Classification of securities, Grossing up of interest, Admissible / Allowable expenses, Tax exemption on Interest on Securities, Problems solving. Income from House property: Introduction, Scope of income from house property, Non-assessable income, Admissible expenses, Annual value, Rental status of the house property. Computation of income, Problems solving.	5	CLO3
5	Income from agricultural income: Introduction, Scope of income from agricultural income, Characteristics, Classification, Admissible expenses, Non-assessable income, Computation of income from Capital Gain and Income from other sources- under each head.	5	CLO3

	Income from Business and profession: Introduction, Scope of income from Business and profession, Non-assessable income, Admissible expenses, Inadmissible expenses, computation of income Filling a revised Return?		
6	Assessment of Individual: Scope and sources of total income, Computation of total income & Tax liability, Non-assessable income at a glance.	5	CLO3
7	Tax Evasion and Tax Avoidance: Definition, Distinction, Socio-economic effects, Reasons, Common Methods	5	CLO3
8	Session 13- Value added Tax: What is VAT, Arguments for and Against VAT, Important Features of VAT in Bangladesh, VAT Rate and VAT Assesses. Problem Solving.	5	CLO2, 3
9	Zakat: Quranic Injunction and practical application-distinction between Income Tax and Zakat-Government Zakat Fund, Calculation Zakat, Effectiveness of Zakat, Effective Methods of Zakat Distribution from the point of view of Zakat Receiver and Zakat Payer. Government Zakat Fund.	5	CLO3

D. Recommended Books:

c. TextBook:

- Chandra S. N, Zakaria M. M and Faridul A. M (New edition). Bangladesh Income Tax-Theory and Practice, Latest edition, Bangladesh. Dhaka, Bangladesh.
- Morshed M. M (1998). Income Tax, Padma Prokashani, Latest Edition.
- Masud, M. Z & Alam M. F (1972), Bangladesh Income Tax-Theory and Practice, Latest Edition.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

CLO3	Examine the current state of human economic development and take into account the point that the climate restricts economic growth.	PLO-3	Cognitive/ Applying
CLO4	Recognize that several different parameters can be used to determine pollution targets and recognize that different pollution targets are typically indicated by alternative policy goals.	PLO-4, 6	Cognitive/ Understanding
CLO5	Analyze how negotiating procedures could lead to efficient allocation of resources and thus to achieving effective pollution results without regulatory intervention.	PLO-3, 5	Cognitive/ Analyzing

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section A: Mid Term 30 Marks		
1	An Introduction to natural resource and environmental economics: Three themes, The emergence of resource and environmental economics, Fundamental issues in the economic approach to resource and environmental issues.	3	CLO1 CLO2
2	The origins of the sustainability problem: Economy-environment interdependence, The drivers of environmental impact, Poverty and inequality, Limits to growth? The pursuit of sustainable development.	9	CLO1, CLO2 PLO3
3	Ethics, economics and the environment: Naturalist moral philosophies, Libertarian moral philosophy, Utilitarianism, Criticisms of utilitarianism, Intertemporal distribution.	6	CLO2, CLO3
	Section B: SEE 50 Marks		
4	Concepts of sustainability: Concepts and constraints, Economists on sustainability, Ecologists on sustainability, The institutional conception, Sustainability and policy.	6	CLO1 CLO2 CLO5
5	Welfare economics and the environment: Efficiency and optimality, Economic efficiency, An efficient allocation of resource is not unique, The social welfare function and optimality, Compensation tests, Allocation in a market economy, Efficiency given ideal conditions, Partial equilibrium analysis of market efficiency, Market allocation are not necessarily equitable; Market failure, public policy and the environment; The existence of markets for environmental services, Public goods, Externalities, The second best problem, Imperfect information, Government failure.	9	CLO1, CLO2 CLO3 CLO5
6	Pollution control: targets: Modelling pollution mechanisms; Pollution flows, pollution stocks and pollution damage; The		CLO3 CLO4

	efficient level of pollution, Modified efficiency targets, Efficient levels of emissions of stock pollutants, Pollution control where damages depend on location of the emissions, Ambient pollution standards, Intertemporal analysis of stock pollution, Variable decay, Convexity and non-convexity in damage and abatement cost functions, Estimating the costs of abating pollution, Choosing pollution targets on grounds other than economic efficiency.	6	CLO5
7	Pollution control: instruments : Criteria for choice of pollution control instruments, Cost efficiency and cost effective pollution abatement instruments, Instruments for achieving pollution abatement targets, Economic incentive (quasi-market) instruments, Pollution control where damages depend on location of the emissions.	3	CLO4 CLO5
8	Pollution policy with imperfect information: Difficulties in identifying pollution targets in the context of limited information and uncertainty, Sustainability-based approaches to target setting and the precautionary principle, The relative merits of pollution control instruments under conditions of uncertainty, Transactions costs and environment regulation.	3	CLO3 CLO4 CLO5

D.Learning Resources:

- Perman, R, Ma. Y, McGilivray.J. Common (2003). Natural Resource and Environmental Economics (3rd Edition) Pearson Education, Inc.
- Anderson. D. (2010) Environmental Economics and Natural Resource Management (3rd Edition) Routledge.
- Tietenberg, Tom & Lewis, Lynne (2012) *Environmental & Natural Resource Economics* (9th Edition) Pearson Education, Inc.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Political Thoughts and Social Behavior

ISCED Code: 0312

Course Code: GEED 3503 Course Title: Political Thoughts and Social Behavior

Credits: 2 Cr Hr

Contacts: 2 CH Per Week

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

The objectives of the course: Following are the Objectives of the course:

- i. To help the students demonstrate an in-depth understanding of their real position in this temporary world.
- ii. To understand their relation with the state and society.
- iii. To help them in performing their duties and responsibilities towards their state, society and humanity at large.

SL	Course Learning Outcomes (CLOs) : Upon the successful completion of the course, students will be able to :	Corresponding IIUCMS	Bloom's taxonomy domain/level
CLO1	Acquire basic knowledge about politics, Islamic politics, Law & Constitution, State and Government	IIUCMS-1,2&3	Cognitive/Understand
CLO2	Realize the nature of Citizen and Citizenship and relationship between state and citizen, citizen and government as well	IIUCMS-1,2&3	Cognitive/Apply
CLO3	Understand about the dealings and behavior of a man relating to himself, his Family and society	IIUCMS-1,2&3	Cognitive/Understand
CLO4	Analyze the principles of permissible and prohibition in Islam in regards to dress, food and drinking and in other parts of life	IIUCMS-1,2&3	Cognitive/Analyze
CLO5	Evaluate the Economic System of Islam and Festivals in Islam	IIUCMS-1,2&3	Cognitive/Evaluate

Course Contents:

Chapter	Chapter Title	Contents	Number of Lectures	Corresponding CLOs
Section A: Mid Term 30 Marks				
01	Politics and Islamic Politics: A. Nature of the course from viewpoint of Islamic jurisprudence B. Literal and terminological Meaning of of Politics C. Definition of Islamic Politics D. Basic Principles of Islamic Political System E. Conventional Political System and Islam		3	CLO1
02	<i>Shariah</i> and constitution:		3	CLO1

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	<ul style="list-style-type: none"> A. Meaning of Shariah B. Sources of Shariah C. Difference between Shariah and man-made law D. Definition of Constitution E. Contents and main features of an Islamic Constitution 		
03	<p>State and Government:</p> <ul style="list-style-type: none"> A. Meaning of State B. Elements of State C. The major characteristics of modern national states D. Meaning of Islamic State E. Basic principles of an Islamic state F. Meaning, Objective, types of government G. Relation between state and government H. Organs of a government - Executive, Legislative and Judiciary 	3	CLO1
04	<p>Citizen and Citizenship:</p> <ul style="list-style-type: none"> A. Meaning of citizenship B. Types of citizenship and C. Rights & duties of citizens 	3	CLO2
Section B-Final Examination: 50 Marks			
05	<p>Marriage and Family:</p> <ul style="list-style-type: none"> A. Marriage in Islam B. Objective, Nature and some features of marriage in Islam C. Classification of Marriage D. Legal effects of various types of marriage E. Prohibited Marriages F. The general essentials of a Muslim marriage 	3	CLO3
06	<p>Matrimonial Disputes Resolution and Divorce:</p> <ul style="list-style-type: none"> A. Definition of Matrimonial Disputes B. Sources and causes of matrimonial disputes C. Quranic Approach to matrimonial disputes D. Divorce as a last resorts to dissolve a matrimonial disputes 	3	CLO3
07	<p>Women in Islam:</p> <ul style="list-style-type: none"> A. Status of women in Islam B. Rights and duties of women in Islam 	2	CLO3
08	<p>Family Relationship Social Relationship & Festivals in Islam:</p> <ul style="list-style-type: none"> A. Husband-wife relationship B. Parent-child relationship C. Family relationship D. Kinship E. Neighbourhood F. Wide circle of relationship relationship G. Eid-al-Fitr and Eid-Al-Adha 	3	CLO3
09	<p>Economic System & Dress Code in Islam:</p> <ul style="list-style-type: none"> A. Earning and Expenditure by Halal Means B. Right to property and Individual Liberty C. System of <i>Zakah</i> (Welfare Contribution) D. Prohibition of <i>Riba</i> (Interest or usury) E. Law of Inheritance (<i>Mirath</i>) , Conclusion F. Common Clothing Regulations G. Clothing Regulations for Man H. Clothing Regulations for Woman 	3	CLO5
10	Principles of permissible and prohibition:	4	CLO4

	<p>A. All things are lawful for mankind except what have been prohibited explicitly by Allah and His Messenger</p> <p>B. Only Allah (SWT) has the right to declare a thing lawful or prohibited</p> <p>C. Allah has prohibited only shameful things</p> <p>D. What has been made lawful for us is sufficient</p> <p>E. the means or causes that lead to unlawful action are also prohibited</p> <p>F. what is prohibited, it is prohibited for all</p> <p>G. a grave necessity legalizes temporarily an illegal thing</p>		
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References:

1. Bhuiyan, Mohammad ShafiulAlam (2007), *The Government and Politics in Islam*, Dhaka: Noor Publications.
2. Hamid, E. A. (2004). *The Qur'an and Politics*, London: International Institute of Islamic Thought.
3. Islam, A. B. M. M. (2005). *Islamic Constitution: Quranic and Sunnatic Perspectives*.
4. A'LaMaududi, S. A. (1980). *The Islamic Law & Constitution*: Islamic Books.
5. Sarwar, G. (1982). *Islam, beliefs and teachings*: Muslim educational trust.
6. Hannan, S. A. (2017). *Social Laws of Islam*. Dhaka: Bangladesh Institute of Islamic Thought (BIIT)
7. Zino, Muhammad bin Jamil, *Islamic Guidelines*, Darusalam, Riyadh, 1996.
8. Al-Qaradawi, Y. (1988). *Halal and Haram in Islam*.
9. Ahmad, M. (2009). *Business ethics in Islam*: International Institute of Islamic Thought (IIIT).
10. Chapra, M. U. (2016). *The future of economics: An Islamic perspective* (Vol. 21): Kube Publishing Ltd.

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Basic Econometrics

ISCED Code: 0311

Course Code: ECON-3601

Course Title: Basic Econometrics

Credits: 03

Contact Hours:03

Total Marks:100;

Pre-Requisites: ECON-1101, MATH-1101, ECON-1201, STAT-1201, ECON-2302, MATH-2302, ECON-2402, STAT-2402, MATH-3503, STAT-3503

Course Assessments	CIE: Continuous	Attendance	10 Marks
	Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Econometrics is a set of research tools used to estimate and test economic relationships. The methods taught in this introductory course can also be employed in the business disciplines of Banking, Accounting, Finance, Marketing and Management and in many social science disciplines. The aim of this course is to provide you with the skills helpful in filling the gap between being “a student of economics” and being “a practicing economist.” By taking this introduction to econometrics you will gain an overview of what econometrics is about, and develop some “intuition” about how things work. The emphasis of this course will be on understanding the tools of econometrics and applying them in practice.

B. Course Learning Outcomes Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

Students who successfully complete Econ 3601 should be comfortable with basic statistics and probability. They should be able to use a statistical/econometric computer package to estimate an econometric model and be able to report the results of their work in a non-technical and literate manner. In particular, a student who successfully completes Econ 3601 will be able to estimate and interpret linear regression models and be able to distinguish between economic and statistical importance. They should be able to critique reported regression results in applied academic papers and interpret the results for someone who is not trained as an economist.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom’s taxonomy domain/level
CLO1	Illustrate the main ideas underlying the linear regression model and derive the simplest numerical and statistical properties of the OLS estimator.	PLO-1,4	Cognitive/ Analyzing
CLO2	Provide an economic and statistical interpretation of a regression output.	PLO-3,4	Cognitive/ Analyzing
CLO3	Look critically at the assumptions of the classical linear regression model and examine the ways	PLO-1,3,4	Cognitive/ Analyzing

	these assumptions can be modified and with what effects.		
CLO4	Translate an economic argument into a formal testable hypothesis within a multiple regression model and carry out the appropriate testing procedure.	PLO-3,4,5	Cognitive/ Applying
CLO5	Apply the econometric tools to conduct an empirical analysis using an econometric/statistical software package; and provide an economic and statistical interpretation of a regression output.	PLO-1,3,4,5	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	An Introduction to Econometrics: What is Econometrics? Why study Econometrics? Methodology of Econometrics. The Econometric Model; How do we obtain Data? (Experimental Data, Non-experimental Data); Statistical Inference.	9	CLO1 CLO5
2	The Simple Linear Regression Model: An Econometric Model; Introducing the error term; Estimating the Regression Parameters: The Least Squares Principle, Interpreting the Estimates; Other Economic Models, Assessing the Least Squares Estimators: The Estimator b_2 , The Expected value of b_1 and b_2 , Repeated Sampling, The Variances and Covariance of b_1 and b_2 ; The Gauss-Markov Theorem; The Probability Distribution of the Least Squares Estimators.	9	CLO2, CLO3 PLO4
Section B: SEE 50 Marks			
3	Interval Estimation and Hypothesis Testing: Interval Estimation; The t-distribution, Obtaining Interval Estimates, The Repeated Sampling Context; Hypothesis Tests: The Null Hypothesis, Alternative Hypothesis, The Test Statistic, The Rejection Region; Rejection Regions for Specific Alternatives: One- Tail Tests with Alternative “ Greater than ($>$), Less Than ($<$), Two-Tail Tests with Alternatives “Not Equal To (\neq); Examples of Hypothesis Tests: Right- Tail tests : one tail test of significance, one tail of an Economic hypothesis, Left tail tests: Two-tail tests: Two-tail test of an economic hypothesis , Two-Tail Test of Significance , The p-value : p-value for a Right-Tail Test , P-value for a Left-Tail Test , P-value for a Two-Tail Test, P-value for a Two-Tail Test of Significance . Exercises: Problems, Computer Exercises.	9	CLO2, CLO3 CLO4, CLO5

4	Prediction, Goodness-of-Fit, and Modeling Issues: Least Squares Prediction; Prediction in the Food Expenditure Model; Measuring Goodness-of-Fit: Correlation Analysis, Correlation Analysis and R^2 , Modeling Issues: The Effect of Scaling the Data, Choosing a Functional Form, Are the Regression Errors Normally Distributed? Log-Linear Models: A Growth Model, A Wage Equation, Prediction in the Log-Linear Model, A Generalized R^2 Measure, Prediction Intervals in the Log-Linear Mode, Exercises, Problems, and Computer Exercises	9	CLO4, CLO5
5	The Multiple Regression Model: Introduction; The Economic Model; The Econometric Model; The General Model, The Assumptions of the Model; Estimating the Parameters of the Multiple Regression Model: Least Squares Estimation Procedure, Least Squares Estimates, Estimation of the Error Variance	9	CLO5

D. Learning Resources

A. Text Books

- Gujarati, D. N., & Porter, D. C. (2004). Basic econometrics (ed.) McGraw-Hill. *Irwin, a business.*

B. Reference Books

- Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). *Principles of econometrics.* John Wiley & Sons.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category (Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Economic Growth and Development

ISCED Code: 0311

Course Code: ECON-3602

Course Title: Economic Growth and Development

Credits: 03

Contact Hours:03

Total Marks:100; Pre-Requisites: ECON-1101, ECON-1201, BDEC-2401

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the courses:

To provide an introduction to the context, theory, process, and practice of local economic development planning and policy through:

- An understanding of different perspectives on the meaning of economic development and the interpretation of economic development problems.
- An introduction to contrasting and complementary explanations of how economic development occurs at regional and local levels.
- An overview of the development of economic development policies, major programs and practices in the United States and of the roles of federal, state and local entities, community groups, and private organizations.
- An understanding of principal current and emerging approaches and practices to promoting economic development at regional and local levels and an appreciation of the impacts of these approaches.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CO) to Program Learning Outcomes (PO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Select important topics in economic development at local, national, and international level.	PLO-1	Cognitive/ Understanding
CLO2	Identify The theories of economic development, approaches to economic development, social and institutional aspects of development, Constraints on development process, macroeconomic Policies, role of foreign capital and economic planning etc. in developing Countries.	PLO-3	Cognitive/ Understanding
CLO3	Apply their perception of current and emerging approaches that will help them to understand the impact of these approaches.	PLO-4	Cognitive/ Applying

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Economic Growth Model: Economic Growth vs Development, Rule of Seventy, Golden Rule of Capital Accumulation, Numerical Example, Convergent Hypothesis, Endogenous Growth Model, Steady State.	6	CLO1 CLO2
2	The Harrod Model And The Domar Model: Basic Assumptions of The Harrod Model-Fundamental Equations of The Harrod-The Domar Model-Assumptions And Derivation of Equilibrium Condition-A Comparison of The Harrod And The Domar Model-Knife Edge Problems, Technical Change in The Harrod-Domar Model.	6	CLO1, PLO3
3	Dualism: Boeke and Higgin's Theory, Lewis Model, Fei-Ranis Model Project Evaluation and Cost-Benefit Analysis: Methods of constructing Cost-benefit Analysis, Uses of Cost-benefit Analysis, Limitations of Cost-benefit Analysis in Underdeveloped Countries, NPV vs IRR.	6	CLO2, CLO3
Section B: SEE 50 Marks			
4	Theories of Development: Adam Smith's Theory, Recardian Theory, Classical and Neo-Classical Model, Rostow's Economic Theory, Schumpeter's Economic Growth Theory.	6	CLO1, CLO3,
5	Industrial Development: Concepts of industrialization, Importance of industrialization, Import Substitution and Export Led Industrialization, Denationalization of Industries in BD, Problems and Prospects of Industrialization in BD.	6	CLO2, CLO3
6	The Neoclassical Model: Basic Assumptions and the fundamental equations-Fundamental Propositions-Solution of the Harrod's problems-Extensions of the neo-classical Model.	3	CLO1 CLO3
7	Poverty Related Model: Theory of Big Push Model-Theory of Big Push of Rosenstein Rodan, Significance of Big Push Theory, Low Level Equilibrium Trap, Critical Minimum Effort.	6	CLO3
8	Foreign Trade, Aid and Foreign Investment: Foreign trade and Economic Growth and Empirical Evidence-Differences between Foreign Trade and Foreign Aid, Importance of Foreign Aid in BD.	3	CLO2 CLO3
9	Financing and Economic Development: Capital Accumulation, Capital Mobilization, The Choice of Techniques, Transfer of Technology.	3	CLO2 CLO3

D. Learning Resources

- Jhingan ML (2011). Economics of Development and Planning, 40th ed, Konark, New Delhi
- Todaro MP (1971). Development and Planning: Models and Methods, UOP,
- Tinbergen (1967). Development Planning, World University Library, McGraw Hill, New York, USA.
- Bhagwati J and Eckaus R (1972). Development Planning, Allen & Unwin,
- Heal GM (1973). The Theory of Economic Planning, North Holland.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category (Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Project Management

ISCED Code: 0412

Course Title: Project Management

Course Code: FIN-3601

Credit: 03

Contact Hour: 03

Prerequisite: No prerequisite courses

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the courses:

This course is designed to provide an overview of project management. It relates to the concepts, role functions and strategic issues that effect on project management process.

B. Course Learning Outcomes and mapping of Course Learning Outcomes(CLO) to Program Learning Outcomes(PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Understand current knowledge, ideas and the real scenario of the field of project management.	PLO-4	Cognitive/ Understanding
CLO 2	Examine the relevant theoretical and practical insights so that the real world of global business is better understood.	PLO-5	Cognitive/ Analyzing
CLO 3	Deal with goods, services, properties, persons, places, events, information, ideas, or organizations.	PLO-2, 6	Cognitive/ Applying
CLO 4	Comprehend the basic concepts and strategies of project management in relation to the new technological and global realities.	PLO-2	Cognitive/ Understanding
CLO 5	Take any decisions regarding project selection, risk management, scheduling, controlling, termination and the evaluation.	PLO-1, 3, 6	Cognitive/ Applying

C. Summary of the Course Contents:

Sessions	Course Contents	Hrs	CLO
	Section A: Mid Term 30 Marks		

1	<p>Chapter – Introduction and Overview Defining project and project management, Project characteristics, Aspects of project management, Project stakeholders, Institutional context of a project, Types of projects, Project Life Cycle-project phases, Importance of project management, Project management skill sets, 7s in project management.</p> <p>Chapter – Project Planning Importance of project planning; Project planning elements; Scope of planning, Tools to help project manager plan for crises; Project Charters; Work Breakdown Structure (WBS), Project Planning by Objectives (PPO), Listen Approach; Logical Framework Approach.</p>	9	CLO1, CLO2
2	<p>Chapter – Selection of a Project Steps in project selection; Criteria for project selection models; Nature of project selection models. Project selection models; Modern decision tools; Problems solving under profitability analysis / capital budget</p> <p>Chapter – Preparation of Project Proposal Concept of feasibility study; Why feasibility study; Study areas of a complete feasibility study; Feasibility Study Vs. Project Proposal (PP), Types of project proposal; Importance of project proposal; Guidelines in preparing a project proposal; Preparation of an empirical or hypothetical project proposal.ing techniques.</p>	9	CL02, CLO3
Section B: SEE 50 Marks			
3	<p>Chapter – Project Manager and Organization Project manager and project management; Responsibilities of a project manager; Selecting project manager; Project team; Project organization and its types; Choosing an organizational form; Key parties in a project.</p> <p>Chapter – Project Financing Capital structure; Check list of debt between equity; Menu of financing; Raising capital from international market; Measuring financial break-even and accounting break-even; Financial sustainability of a project; Problem solving on capital structure formation and project sustainability. Islamic Project Financing, Sources of Islamic Project Financing, Challenges of Islamic Project Financing</p>	9	CLO3, CLO4
4	<p>Chapter – Implementation and Control of a Project Fundamental purpose of control; Types of control processes; Balance in a control system; Control of creative activities; Control of change; Steps in project controlling; Scheduling Techniques; Gantt Chart; CPM and PERT; Problem solving on scheduling techniques.</p> <p>Chapter – Project Risk Management Risk management defined; Nature of project risk; Sources of risk; Risk management process; Risk identification, Risk assessment. Risk response development; Risk response control; Measuring project risk; Problem solving on risk management techniques.</p>	9	CLO4, CLO5

5	<p>Chapter – Project Evaluation and Termination What is evaluation; Characteristics of a scientific evaluation; Guidelines for project evaluation; When to terminate a project; Why a project goes out of control. Verities of project termination; Final report preparation; Participatory Rural Appraisal; Impact assessment.</p> <p>Chapter – Managing Projects in Bangladesh Project planning environment in Bangladesh; Dangers of traditional project management; Early planning efforts; National planning framework; Plan implementation experience; Problems of Planning and project management in Bangladesh; Suggested measures.</p>	9	CLO4, CLO5
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D. Learning Resources:

Text Book:

- Meredith, J.R. and Mantel Jr, S.J., 2011. *Project management: A managerial approach*. John Wiley & Sons.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

International Economics

ISCED Code: 0311

Course Code: ECON-3603

Credits: 03

Total Marks:100; Pre-Requisites: No

Course Title: International Economics

Contact Hours:03

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Since markets are going global, it is relevant to understand the implications of such scenario on consumers, entrepreneurs, and governments. It is the purpose of this course to cover these topics, both from a theoretical and empirical point of view. Specifically, the course is divided into two blocks. The first one focuses on international trade. The second one addresses topics related to international financial issues.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

The field of International Economics is traditionally divided into two parts. First, “International Trade,” the microeconomic part, attempts to answer questions arising from trade in goods and services. For example: how does trade arise among nations? Which nations will trade with each other, and which goods and services will they trade? How does trade impact different groups within a country, and how does government policy alter these impacts? Second, “International Finance,” the macroeconomic part, attempts to answer questions arising from global financial markets and their impact on macroeconomic activity. For example, how are currency exchange rates determined? How do changes in exchange rates affect economic aggregates, such as a country’s trade deficit? This course will cover both parts and give a broad picture of economic interdependences among nations.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom’s taxonomy domain/level
CLO1	Analyze the key concepts and practical applications of both international trade and international finance.	PLO-1	Cognitive/ Understanding
CLO2	Discuss and explain specific policy issues such as ‘environmentalism as protectionism’, international dumping; the choice of exchange rate regime,	PLO-2	Cognitive/ Understanding

CLO3	Explain the connections between Ricardian, Heckscher–Ohlin and the specific factors models in trade theory.	PLO-3	Cognitive/ Applying
CLO4	Analyze the links between trade, international finance, economic growth and globalization with a particular emphasis on the experiences of developing countries.	PLO-1, 4	
CLO5	Apply a specific framework to illustrate the connection between a variety of models and approaches, Explain how international economic theory has been shaped by real world events.	PLO-5, 6	

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Introduction to International Economics: Nature and scope of international economics, mercantilism theorem.	2	CLO1
2	Trade Theories: Why and how trade takes place between nations-theories of: 1) absolute advantage 2) comparative advantage and critical review of comparative advantage 3) Haberler’s opportunity cost theory 4) Hecksher-Ohline theory and Implications.	4	CLO2, CLO3
3	The Standard Theory of International Trade: Production frontiers with increasing cost, Illustration of increasing costs, MRT, Community indifference curves, Equilibrium in isolation, Equilibrium with trade.	6	CL03 CLO4,
4	Demand and Supply, Offer Curves and the Terms of Trade: Derivation of import demand curve and export supply curve, Partial equilibrium analysis, Offer curves, Relative commodity price with trade- general equilibrium analysis, The terms of trade.	6	CLO1, CL03, CL04
Section B: SEE 50 Marks			
5	Tariff Restrictions: Derivation of import demand and export supply curve from domestic equilibrium, Tariff: Arguments for tariff, The rate of effective protection, Partial equilibrium analysis-effects of tariff on Consumption, production and distribution.	6	CLO4, CLO5
6	Non-tariff Restrictions: Quota – difference between tariff and quota, Other non-tariff barriers- VERs, International cartels, Dumping, Export subsidies, Political economy of protectionism,	6	CLO5
7	Economic Integration: Types and degree of economic integration, Trade creation, Trade diversion, Net benefit analysis, Economic integration and welfare effects of customs union.	4	CLO4 CLO5

8	International Trade Related Organizations: Various international trade agreements-GATT, Kennedy Round, Tokyo Round, Uruguay Round, Doha Round, The World Trade Organization (WTO), European Union, SAFTA, NAFTA, ASEAN etc.	6	CLO5
9	Foreign Exchange Market: Exchange rate and its types, determination of exchange rate, functions of foreign exchange market, foreign exchange market, Spot, forwards, swap, futures, options.	4	CLO2 CLO4
10	Exchange Rate Determination: Purchasing Power Parity (PPP) theory- absolute vs relative, Law of One Price (LOOP), Monetary Approach to BOP and exchange rates.	5	CLO2 CLO4 CLO5

D. Learning Resources:

Text book:

- Salvatore, D., 2012. *International economics*. Wiley Global Education.
- Reference books:
- Krugman, P.R., 2008. *International economics: Theory and policy, 8/E*. Pearson Education India.
- Stetting, L., Charles B. Kindleberger: *International Economics*. Homewod, Illinois, 1953. 543 pp.
- Chacholiades, Miltiades 1990, *International Economics*, McGraw-Hill

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

International Finance and Banking

ISCED Code: 0412

Course Title: International Finance and Banking

Course Code: BNKG-3604

Credit: 03

Contact Hour: 03

Prerequisite: BNKG-1201; BNKG-2302

Total Marks: 100

Course Assessments	CIE: Continuous	Attendance	10 Marks
	Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the courses:

In this era of globalization, the significance of international banking and finance is huge. Now most of the giant finance corporations are focusing on diversification globally. International banking services are now working as backbone of smooth international trade. An undergrad student of banking arena should have clear idea about practice and contemporary issues of international banking and finance. This course is designed to serve this purpose. The main objective of this course is to provide students with a sound theoretical and practical understanding of international finance and banking. At the end of this course, student will have a clear understanding of the concepts, contemporary issues and practice of international banking and finance.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes(PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Understand the basic knowledge related with international finance, international financial market, international financial tools and other basic issues related with international finance	PLO-1, 5	Cognitive/ Understanding
CLO 2	Apply theoretical knowledge in international financial market	PLO-4	Cognitive/ Understanding
CLO 3	Understand and apply financial innovation in global market	PLO-4	Cognitive/ Applying
CLO 4	Analyzing the factors that influence different aspects of global financial market	PLO-2	Cognitive/ Analyzing
CLO 5	Evaluate the risks associated international finance and banking	PLO-1, 3	Cognitive/ Applying

C. Summary of the Course Contents:

Sessions	Course Contents	Hrs	CLO
Section A: Mid Term 30 Marks			
1	<p>An overview of International Finance MNCs and Goals of MNCs, Agency Conflict, Management of Conflict, Theories of International Trade, Methods of International Trade, Valuation Model for MNC.</p> <p>International Flow of Funds Balance of payments, International trade flows, International Trade Issues, Factors affecting international trade flows, correcting a balance of trade deficit, International capital flows, Agencies that facilitate international flows.</p>	9	1,2
2	<p>International Financial Market Foreign Exchange Market, International Money Market, International Credit Market, International Bond Market, International Stock Market</p> <p>Exchange Rate Determination Measuring exchange rate movements, Exchange Rate Equilibrium, Factors that influence exchange rates, Speculating on anticipated exchange rates</p>	9	1,4,5
3	<p>Currency Derivative: Forward Market: How MNCs Use Forward Contracts, Non-Deliverable Forward Contracts, Currency Future Market: Contract Specification, Trading Futures, Comparison of Currency Futures and Contracts, Pricing Currency Futures, Credit Risk of Currency Future Contracts, Speculation With Currency Futures, Closing Out a Future Position, and Currency Options Market: Types of Option, Factor affecting Option Price, Hedging with Currency Option, and Speculating with Currency Option.</p> <p>Measuring Exposures to Exchange Rate Fluctuations: Relevance of an MNC's exposure to exchange rate risk; Types of exposure: Transaction exposure, Economic Exposure, Translation exposure.</p>	9	3,5
Section B: SEE 50 Marks			
4	<p>International Arbitrage and Interest Rate Parity International Arbitrage: Location Arbitrage, Triangular Arbitrage, Covered Interest Arbitrage; Interest Rate Parity: Definition, Derivation, Determining Forward Premium, Testing existence of IRP, Determination of IRP Considerations of assessing IRP.</p> <p>Relationships among Inflation, Interest Rate And Exchange Rate: Purchasing Power Parity(PPP), International Fisher Effect (IFE), Comparison of the IRP,PPP,IFE Theories</p>	9	3,4

5	<p>Multinational Capital Budgeting: Subsidiary VS Parent Perspective, Input for Multinational Capital Budgeting, Factors to Consider in Multinational Capital Budgeting, Adjusting Project Assessment for Risk</p> <p>Multinational Cost of Capital and Capital Structure: Background on Cost of Capital; Cost of Capital for MNCs; Cost of Capital Across Countries, Using Cost of Capital For Assessing Foreign Project; The MNCs Capital Structure Decision; Interaction between Subsidiary and Parent Financing Decision</p>	9	2,4
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D. Learning Resources:

Text Book: Madura, J. (2011). International financial management, Cengage Learning.

Reference Book: Hughes, J. E. and S. B. MacDonald (2002). International banking: text and cases, Pearson College Division.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Bank Fund Management

ISCED Code: 0412

Course Code: BNKG-3605

Course Title: Bank Fund Management (3 credit hours)

Credit Hour: 03

Contact Hour: 03

Total Marks: 100

Pre-Requisites: BNKG-1201, BNKG-2302

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
	Mid-term		30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Funds management is the supervision and management of the cash flow of a financial institution. The fund manager ensures that the maturity schedules of the deposits fit the loan demand. The course aims to provide with the knowledge of managing the fund of a bank including capital management, reserve management, liquidity management, and debt management.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

Students who successfully complete BNKG-3605 should be comfortable with basic procedures of bank fund management. They should be able to use basic tools and strategies to assess the fund management in the financial organization.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Identify the sources and uses of bank fund and get and overview on fund management.	PLO-1, 2, 4	Cognitive/ Understanding
CLO2	Illustrate the tools and strategies for asset liability management of bank.	PLO-3, 4, 5	Cognitive/ Analyzing
CLO3	Execute the management of deposit, liquidity, capital, loan and investment of the bank.	PLO-3	Cognitive/ Applying

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
	Section A: Mid Term 30 Marks		

1	Introduction: An overview of Bank Fund Management, Sources & Uses of Bank Fund, Comparison of Different Sources of Bank Fund. Overview of Financial Statement and Bank Fund, Off-Balance Sheet Activities.	5	CLO1
2	Asset and Liability Management (ALM): Determining, Measuring and Controlling Interest Sensitive Gap and Duration Gap: Interest rate risk and Bank fund, Measuring and Managing Interest Rate Sensitivity. Classification of Assets and Liabilities. Assets and Liability Management Strategies, Interest Rates Hedging, Interest Sensitive Gap Management and Profitability. Managerial consideration for Gap management, Interest Rate- Duration and Value of equity.	5	CLO2
3	Management of Deposits: Managing Deposits, Deposit Mix and its impact on bank fund - Ownership pattern, Types and size of deposit. Factors Determining the Level of Deposits. Deposits Insurance Scheme. Pricing Deposits	5	CLO3
Section B: SEE 50 Marks			
4	Liquidity and Reserve Management - Strategies and Policies: Liquidity Vs. Profitability, Nature of Bank Liquidity, Liquid Assets – its types & nature, Traditional Measure of Liquidity, Handling Bank Liquidity, Liquidity Management Strategies for Bank. Estimating Bank’s liquidity Needs, Classification of Reserve, Constituents and Functions of Primary Reserve, Constituents and Functions of Secondary Reserve, Primary Reserve Vs. Secondary Reserve, Factors in Choosing Different Sources of Reserve.	10	CLO3
5	Capital Management: Concept of Capital Types of Capital as per Basel Accord, Instrument of Raising Capital, Importance and Function of Bank Capital, Measuring the size of Bank Capital. How much Capital Does a Bank Needed? Capital Adequacy of a Bank. Test of Capital Adequacy of Bank. Planning to Meet Bank’s Capital needs	5	CLO3
6	Loan Management: Principles and Policies of Lending, establishing a Written Loan Policy, Ways to Develop and makes loan, steps in Bank Loan Operation, Credit Analysis and selection of Borrower – What’s makes a Good Loan, Methods of Loan Pricing, Loan Review and Supervision, Problem/Distress Loan- Types and cause, Handling Problems Loan, Rescheduling of Loans. Loan Categorization, Classification and Write-off.	5	CLO3
7	Investment Management: Introduction. Difference between loan and investment, Investment as residual activities: When, Why and extent of bank investment, Rationale of Using Bank Funds in Non-Loan Investment, Investment Instrument, Consideration of Selecting Investment Portfolio. Bank Investment Strategies. Investment Instrument for Commercial Bank in Bangladesh.	5	CLO3
8	Money Laundering: What is Money Laundering? Why and How Money Laundering is done? Why we must combat (fighting) Money	5	CLO4

	Laundering? Stages of Money Laundering, How Financial Institutions Can Combat Money Laundering?		
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D. Learning Resources

a) Text Books:

- Rose PS & Hudgins S. C. (2010). Bank Management and Financial Services, 5th edition, McGraw Hill, New York, USA.

b) Reference Books:

- Dr. A R. Khan. Bank Management-A Fund Emphasis.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

The Life and Teachings of the Prophet

ISCED Code: 0221

Course Code: GEED 3604 Course Title: Life and Teachings of the Prophet Muhammad (SAAS)

Credits: 1 CH Contacts: 2 CH

Course Assessments	CIE:	Attendance	10 Marks
	Continuous Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Rationale of the Course: The life of Prophet (SAAS) has remained as a source of inspiration not only for the Muslims but also for the people of different races, colors and origins belonging to various levels of society. It has led various people to make a deeper study of his message and even fashion their own lives on his pattern. Every deed of Prophet's (SAAS) life is to be followed by every individual of Muslim Ummah. Love of Allah's messenger (SAAS) is an integral part of our Iman and hence the highest love for the Prophet (SAAS) is made as a test for our faith. This course, therefore, has been designed to have an insight thought

CLOs	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding IIUC Mission	Bloom's taxonomy domain/level
CLO1	The students will have proper knowledge regarding the life and times of Prophet Muhammad (SAAS)	IIUCMS-1,2&3	Cognitive/ Understanding
CLO2	Students will be able to identify the Prophet (SAAS) as the only ideal mentor to follow.	IIUCMS-1,2&3	Cognitive/ Understanding
CLO3	Students will be able to lead their life according to the exalted characters, manners, habits and behaviors of the teacher of mankind and beloved Prophet (SAAS)	IIUCMS-1,2&3	Cognitive/ Applying

Course Content:

Chapter	Content	Number of Lectures	Corosponding CLO
Section-A, Mid Term: 30 Marks			
01	An introduction to <i>Siratunnabi</i> (SAAS): A comprehensive view, <i>Sirah</i> and its literally and technical meaning, Selection of Arabia as the	2	CLO1 CLO2

	birthplace of the Final Prophet (SAAS),		
02	Socio-Political, Religious condition of pre-Islamic Arabia: an Overview. Early life of Prophet (SAAS): Birth and Childhood, Business trip to Syria with his uncle Abu Talib, Battle of <i>Fujjar</i> and formation of <i>Hilful-Fudul</i> , Contribution of Mohammad (SAAS) in the business of Khadijah, Marriage with Khadijah.	3	CLO1 CLO2
03	Early life of Prophet (SAAS): Rebuilding of <i>Al-Ka'bah</i> , Search for the truth and receiving the truth. Beginning of Islamic Movement at <i>Makkah</i> : (From first revelation to the emigration to Abyssinia): Prophet hood, First revelation and its impact. Propagation of Islam Begins in secret.	2	CLO1 CLO3
04	The early Muslims, End of the First Phase. Islamic Movement becomes public, The Prophet on the Mount of <i>Safa</i> .	2	CLO1 CLO2
05	Oppositions from the Quraysh begin, Qur'anic approach towards <i>Quraysh</i> , Oppositions,	2	CLO2
06	Migration to Abyssinia. Prophet (SAAS) at <i>Makkah</i> : Boycott and Confinement of the Prophet (SAAS) and <i>Banu Hashim</i> by the <i>Quraysh</i> , The year of sorrow.	2	CLO2
07	<i>Ta'if</i> - the most difficult day, <i>Mi'raj</i> of the Prophet. Covenants of <i>Al-'Aqabah</i> .	2	CLO2
Section-B: Final Examination 50 Marks			
08	<i>Hijrah</i> of the Prophet (SAAS).	1	CLO2
09	The Prophet (SAAS) at <i>Madinah</i> : (From migration to <i>Hudaybiyah</i>) Construction of the Mosque,	2	CLO2
10	The Charter of <i>Madinah</i> , Important Battles till the agreement of <i>Hudaybiyah</i> - The Battle of <i>Badr</i> ,	2	CLO3
11	The Battle of <i>Uhud</i> , The Battle of <i>Ahzab</i> , Campaigns against the Jews of <i>Madinah</i> , <i>Hudaybiyah</i> Agreement	3	CLO3
12	Letters of the Prophet (SAAS) to the kings beyond Arabia, Battle of <i>Muta</i> , Battle of <i>Hunayun</i> , The conquest of <i>Makkah</i> . The Farewell Pilgrimage,	2	CLO3
13	The Farewell Address of the Prophet (SAAS) and its lessons,	2	CLO1 CLO2
14	Departure of the Prophet (SAAS), Contributions of the Prophet (SAAS) as a reformer and as a nation builder and as an Ideal for the all.	2	CLO2 CLO3
15	Review Class	1	

List of Books:

1. Nadwi, Saiyid Sulaiman, *Muhammad The Ideal Prophet: A Historical, Practical, Perfect Model for Humanity*. Translated by Mohiuddin Ahmad. Islamic Book Trust K.L.N.D.
2. Guillaume, Alfred. *The Life of Muhammad: A Translation of IbnIshaq'sSiratRasul Allah*. London: Oxford University Press, 1955.
3. Lings, Martin. *Muhammad: his life based on the earliest sources*. New York: Inner Traditions International, 1983.
4. Nasr, Seyyed Hossein, *Muhammad: Man of God*. Chicago, IL: Kazi Publ., 1995.
5. Ramadan, Tariq. *In the Footsteps of the Prophet: Lessons from the Life of Muhammad*. New York: Oxford University Press, 2009.
6. Watt, William Montgomery. *Muhammad: Prophet and Statesman*. London: Oxford University Press, 1961.

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	5	-	-	05
Understand	-	-	5	-	10
Apply	-	5	-	-	05
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	15
Create	-	5	-	-	05
x	Responding	X	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester. If necessary, a course teacher may also use Cognitive (Knowledge), Affective (Attitude) and Psychomotor (Skills) domain of Bloom's Taxonomy.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

- A. Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions, Power point Presentation,
- B. Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment.
Mid-Term & Final Exam. Project evaluation & Viva

History of Emergence of Bangladesh

ISCED Code: 0222

Course Title: History of Emergence of Bangladesh

Course Code: GEHE- 3601

Credit Hours: 3

Contact Hour: 3; Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the Course

The course has been designed to study the dynamic and diverse movements of the people of Bangladesh to achieve its independence in 1971. The course, primarily, focuses on the rising of Bengali nationalism and the national identity crisis of the Bengali along with significant autonomous vibrations regarding changes in the politics of social dominance in the period –from appearance of united Pakistan to the emergence of Bangladesh as an independent country.

B. Course Learning Outcomes and mapping of CLO to PLO

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom’s taxonomy domain/level
CLO1	Analyze the historical contexts and socio-political perspectives for the Independence movement of Bangladesh and appreciate the background and events of the glorious War of Liberation of Bangladesh	PLO- 4, 5, 6	Cognitive/ Analyzing
CLO2	Estimate the role of national leaders and political parties in the Independence movement of Bangladesh and evaluate the role of Bangabondhu Sheikh Mujibur Rahman as the founder and un-parallel leader of the Independence movement of Bangladesh.	PLO-5, 6	Cognitive/ Understanding
CLO3	Uphold the spirit of liberation war resulting in the enhancement of patriotism and contribute to building a non-communal, democratic and developed Bangladesh in the context of modern world.	PLO-5.6	Cognitive/ Applying
CLO4	Appreciate any significant national issue in context of demand of time and future integrities.	PLO-5.6	Cognitive/ Applying

C. Summary of Course Contents

SL NO	CONTENT OF COURSE (as Summary)	Hrs.	CLOs
Section A: Mid-term 30 marks			
01.	Introduction to the country and its people: Geographical features and their influence, ethnic composition, language, cultural syncretism and religious tolerance, distinctive identity of Bangladesh in the diverse context.	06	CLO1
02.	Proposal for undivided sovereign Bengal and the partition of the Sub-Continent, 1947: Rise of communalism under the colonial rule, Lahore Resolution 1940, The proposal of Suhrawardi and Sarat Bose for undivided Bengal: consequences, The creation of Pakistan 1947.	03	CLO1
03.	Pakistan: Structure of the state and disparity: Central and provincial structure, influence of military and civil bureaucracy, economic, social and cultural disparity.	06	CLO1
04.	Language Movement and quest for Bengali identity: The Language Movement: context and phases, United Front: election of 1954, consequences, misrule by Muslim League and struggle for democratic politics, framing of the constitution of Pakistan in 1956.	03	CLO2 CLO3
Section B: SEE 50 marks			
05.	Military regimes of Ayub Khan and Yahya Khan (1958-1971): Definition of military rules and its characteristics, Ayub Khan's rise to power and characteristics of his rule (Political repression, Basic democracy), Fall of Ayub Khan and Yahya Khan's rule (Abolition of one unit, universal suffrage, the Legal Framework Order).	03	CLO2 CLO3 CLO4
06.	Rise of nationalism and the Movement for self-determination: Resistance against cultural aggression and resurgence of Bengali culture, Student movement 1962, the six point movement: reactions, importance and significance. The Agartala conspiracy case 1968, Mass upsurge of 1969.	06	CLO2 CLO3 CLO4
07.	Election of 1970 and the Declaration of Independence: Election result and centres refusal to comply, The non-cooperation movement, the 7 th March Address, Operation Search-light, Declaration of Independence and the arrest of Bangabondhu Sheikh Mujibur Rahman.	06	CLO2 CLO3 CLO4
08.	The war of Liberation 1971: Genocide and repression of people, Formation of Bangladesh government and proclamation of Independence, Formation of MuktiBahini, Publicity Campaign in the war of Liberation, Contribution of students, women and the masses, The role of super powers, The Anti-liberation activities, killing of the intellectuals, Trial of Bangabondhu and reaction of the World Community, The role of ArabWorld in the Liberation War, The role of India in the Liberation War, Formation of joint command and the Victory.	06	CLO2 CLO3 CLO4
09.	Immediate Development of Independent Bangladesh: Homecoming of Bangabondhu, Making of the constitution, Reconstruction of the war ravaged country. Reign of Bangabondhu (1972-1975). Contribution of National leaders of Bangladesh: AK FazlulHuq, MaulanaVashani, Hussein ShahidSuhrawardi,	06	CLO4

	Bangabondhu Sheikh Mujibur Rahman, Syed Nazrul Islam, Tajuddin Ahmed, HM Kamruzzaman, Captain M Mansur Ali, MAG Osmani.		
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D. Reading Materials

Text Book

Muntasir Mamun and Soumitra Shekhar, *Swadhin Bangladesher Obvyudyer Itihas*, (Dhaka: University Grand Commission-UGC, Bangladesh, 2017).

Rounaq Jahan, *Pakistan: Failure in National Integration*, (Dhaka: University Press Limited, 1977).

Reference Books:

Sirajul Islam (ed.), *Banglapedia: National Encyclopaedia of Bangladesh*, Vol. 1-14, (Dhaka: Asiatic Society of Bangladesh, 2014).

Sirajul Islam (ed.), *Bangladesher Itihash*, Vol. 1-3, (Dhaka: Asiatic Society of Bangladesh, 2014).

Dr. Md. Emran Zahan & Dr. Md. Siddiqur Rahman Khan, *Bangladesher Itihas 1972-2014*, (Dhaka: Abosar Prokashana Sangstha, 2018).

Maidul Hasan, *Muldhara 71*, (Dhaka: The University Press Ltd., 1986).

Shamsul I. Khan, *Political Culture, Political Parties and the Democratic Transition in Bangladesh*, (Dhaka: The University Press Ltd., 2008).

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50 marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category (Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Credit Management

ISCED Code: 0412

Course Code: BNKG-4706

Course Title: Credit Management (3 credit hours)

Credit Hour: 03,

Contact Hour: 03

Total Marks: 100; Pre-Requisites: BNKG-1201, BNKG-2302

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The objective of this course is to provide the students with adequate knowledge about the management of Credit portfolio in banks and other financial institutions. It will provide sufficient inputs to enable the student to develop an insight regarding the different phases of Credit management and tools used to assess the credit proposals.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CO) to Program Learning Outcomes (PO):

Students who successfully complete BNKG-4706 should be comfortable with basic procedures of credit risk management. They should be able to use basic tools to assess the credit proposals and be able to prepare credit reports.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Understand the basic ideas on credit and its management procedure.	PLO-1	Cognitive/ Understanding
CLO2	Understand the regulatory framework for credit management.	PLO-2, 3, 4, 6	Cognitive/ Understanding
CLO3	Use some basic tools to assess the credit proposals.	PLO-1, 2	Cognitive/ Applying
CLO4	Identify the basic documents required for credit analysis and risk management and identify the reasons behind the irregular loan and how to mitigate the problem loans.	PLO-2, 4, 5	
CLO5	Apply different methods used for credit monitoring.	PLO-1, 2, 5	

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Introduction to credit management: Credit – Credit Vs. Investment – Credit Contract – Basic Requirements for Lending. – Different types credit Facilities provided by the Financial Institutions –Basic Functional Credit Operational Process.	5	CLO1
2	Credit Service and Borrower Selection: Customer Relationship – Credit Operational Manual – Credit Worthiness – Borrower Selection – Principles of Lending – Challenges of Lending – Credit Investigation – Credit Culture – Business Risk and Financial Risk Analysis.	5	CLO1
3	Regulatory Framework: Government Regulation of Banks (prudential guidelines) – Institutional Structure – Need for Statutory Reserves – Cash Reserve Ratio (CRR) – Statutory Liquidity Ratio (SLR).	5	CLO2
Section A: SEE 50 Marks			
4	Credit Appraisal- Analysis of Financial Statements: Definition of financial statement – Types of financial statement – Financial statement analysis – Objectives of financial statement analysis – Steps in financial statement analysis – Ratio Analysis & Limitation of financial statement analysis. Concept of cash flow – Fund Flow vs. Cash Flow – Types of Cash Flow – Interpretation of Cash Flow Statement.	10	CLO3
5	Credit Evaluation: Working Capital Finance: Concept of Working Capital – Factors Determining Working Capital – Working Capital Cycle (Operating).	5	CLO3
6	Security and Documentation of Bank Credit: Security – Creation of Security – Documentation against Credit facilities – Types of Documents – Importance of Documentation – Steps in Documentation.	5	CLO4
7	Credit Risk Monitoring and Control: Loan Monitoring – Importance of monitoring – Methods of Monitoring – Loan Review.Loan Classification (BRPD Manual) –Loan Provisioning (BRPD Manual)	5	CLO5
8	Follow up and Recovery Management: Problem loan – NPL – Causes and cost of NPL – Warning Signals – Management of NPL.	5	CLO5

D. Learning Resources

Textbooks:

1. Peter S. Rose (2001). Commercial Bank Management. Latest edition. McGraw-Hill/Irwin. USA.

Reference Books:

- Dr. A R. Khan. Bank Management-A Fund Emphasis.
- Tobin, J., & Golub, S. S. (1998). Money, credit, and capital. McGraw-Hill/Irwin. USA
- Duffie, D., & Singleton, K. J. (2012). Credit Risk: Pricing, Measurement, and Management: Pricing, Measurement, and Management. Princeton University Press.
- Saunders, A., Cornett, M. M., & McGraw, P. A. (2006). Financial institutions management: A risk management approach (Vol. 8). McGraw-Hill/Irwin. USA

F. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Financial Investment and Security Analysis

ISCED Code: 0412

Course Code: BNKG-4707

Course Title: Financial Investment and Security Analysis

Credit: 03

Contact Hour: 03

Prerequisite: No prerequisite courses

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the courses:

This course is designed to provide an overview of financial investment from national and international viewpoint and also valuation methods for assessing financial securities. This course exposes to the interesting world of direct and indirect investments including securities; managed funds; derivatives and other investments. One will develop its skills in applying investment and portfolio management theories in the construction of portfolios. The effect of foreign exchange risk and taxation are also considered in an attempt to construct a portfolio that best meets the needs of the clients.

B. Course Learning Outcomes and mapping of Course Learning Outcomes(CLO) to Program Learning Outcomes(PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Understand the current knowledge, ideas and the real scenario of the field of financial market.	PLO-4	Cognitive/ Understanding
CLO 2	Apply the knowledge related with relevant theoretical and practical insights so that the real world of global investment is better understood.	PLO-5	Cognitive/ Understanding
CLO 3	Understanding the relationship with various financial institutions and financial markets.	PLO-2	Cognitive/ Applying
CLO 4	Analyze comprehend the basic concepts and strategies in dealing with financial markets.	PLO-3, 5	Cognitive/ Analyzing
CLO 5	Take any decisions regarding investment by giving a broader concept in various methods of assessing of financial securities.	PLO-5, 6	Cognitive/ Applying

C. Summary of the Course Contents:

Sessions	Course Contents	Hrs	CLO
	Section A: Mid Term 30 Marks		

1	<p>Basic Concepts: Concept of Investment, The Importance of Financial Investments, Investment Management Process, Measures of Return and Risk, Risk Classification</p> <p>Chapter – The Investment Setting: Determinants of Required Rates of Return, Relationship between Risk and Return. Historical Risk and Return Measurement, Investment Life Cycle and Portfolio Management. Problems and Solutions</p> <p>The Asset Allocation Decision: Individual Investor Life Cycle, The Portfolio Management Process, The Need for a Policy Statement, Input to the Policy Statement, Constructing the Policy Statement and The Importance of Asset Allocation. Problems and Solutions</p>	9	1,2
2	<p>Organization and Functioning of Securities Markets: Concept of Market, Primary Capital Markets, Secondary Financial Markets, Classification of Equity Markets and Detailed Analysis of Exchange Markets. Problems and Solutions</p> <p>Efficient Capital Markets: Why should capital market be efficient? Alternative efficient market hypotheses, tests and results of efficient market hypothesis, behavioral finance and implications of efficient capital markets. Problems and Solutions</p>	9	3
Section A: SEE 50 Marks			
3	<p>Bond Analysis: intrinsic value and promised yield to maturity. Attributers: Rate coupon rate, Marketability, likelihood of default. Problems and Solutions</p> <p>Technical Analysis: Underlying assumption of technical analysis, advantages of technical analysis, challenges to technical analysis, Technical trading rules and indicators, technical analysis of foreign markets and technical analysis of bond markets</p>	9	3
4	<p>Portfolio Analysis, Portfolio Selection & The Capital Asset Pricing Model (CAPM): Expected return and risk of a portfolio, Portfolios with more than two securities- Risk return calculation of portfolios of more than two securities, Feasible set of portfolios, Efficient set of portfolios, Selection of optimal portfolios, Limitation of Markowitz Model, Single index model, Multi-Index Model, Capital Asset Pricing Model, Efficient Frontier with riskless lending and borrowing, The Capital market line, The Security Market Line, CAPM, SML and CML, Pricing of securities with CAPM.</p>	9	5
5	<p>Option and Futures: (a) Types of option contracts- call and put option – index and other option. (b) Valuation of options(c) The Binomial option pricing Model. Hedging and Speculation-futures contract and future market and prices. Mutual funds and performance Evaluation. Investment companies. Calculation of fund Returns. Risk adjusted performance. Components of investment performance.</p>	9	5

D. Learning Resources:

Text Book:

- Investment Analysis and Portfolio Management – by: Frank K. Reilly & Keith C. Brown

Reference Book:

- Portfolio management – by: S. Kevin

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Industrial Economics

ISCED Code: 0311

Course Code: ECON-4701

Course Title: Industrial Economics

Credit: 03

Contact Hour: 03

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The aim of the course is to provide a conceptual framework of the Economics of industrial organization. This course is designed to enable the students to understand how decision-making problem arise in industries from micro and macro perspectives. The basic premise of this course is the study of Industrial Economics from traditional approach which links the subject to exPOre several interesting new fields.

B. Course Learning Outcome and mapping of Course Outcomes (CLO) to Program Outcomes (PLO):

After the successful completion of this course the students will be able to describe the basic concepts related with firm and industry. They will have enough knowledge to evaluate the situation when the markets are organized and consequence of it as well as given the adverse situation how the firm can increase their market share through different selling activities. This course will help them to relate the institutional setting of an industry with respect to private and public setup.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO 1	Describe and explain the pricing behavior by firms with market power and its welfare implications	PLO-3	Cognitive/ Understanding
CLO 2	Distinguish between the net benefit of perfect competition and monopoly firm	PLO-1	Cognitive/ Analyzing
CLO 3	Apply analytical models of firm behavior and strategic interaction to evaluate various business practices, including entry deterrence, product differentiation, price discrimination and vertical restraints	PLO-2	Cognitive/ Applying
CLO 4	Explain the advertising activities as a preemptive action of a firm and the key issues in public policy and regulation	PLO-5	Cognitive/ Analyzing
CLO 5	Recognize and explain the basic determinants of market structure and location analysis	PLO-4	Cognitive/ Understanding

C. Summary of the Course Contents:

SL No.	Course Content (as summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	<p>Introduction: Basic Concepts, Definition, Importance, Scope and subject matter, Concept of firm, Plant and industry, Industrial efficiency, Economic efficiency, Some efficiency conditions in the theory, central questions of industrial economics and why are markets organized?</p> <p>The welfare Economics of Market Power: Profit maximization, Market equilibrium, Measures of gains from trade, Market power and pricing, Measurement and determinants of market power, Monopoly pricing, Economic efficiency</p> <p>The Theory of Firm: The neo-classical theory of firm, some cost concepts, Potential advantage of being large: Economies of scale and Economies of scope, Seller concentration, Two puzzles regarding the scope of firm, Do firms maximize profit and why are they different, what determines firm boundaries?</p>	9	CLO 1
2	<p>Perfect Competition: Assumption, the firms are price taker and efficient – justification, Stylized facts, Monopolistic competition</p> <p>Monopoly and Dominant Firm: Monopoly demand, Dominant firms, Sources of monopoly power, Dominant firm’s market power, Costs associated with monopoly power, benefits of monopoly power</p> <p>Market Performance: Technological progress, Basic concepts, Replacement effect, Comparing net gains of competition and monopoly, Profit rate, the q-ratio, Price-cost margin</p>	9	CLO 2
Section B: SEE 50 Marks			
3	<p>Monopoly, Dominance and Entry: Dominance, sustaining factors of dominance, concept and barriers against entry, sources of entry barriers: exogenous and endogenous, limit pricing, product differentiation, economies of scale and absolute cost advantage</p> <p>Price Discrimination: Conditions for price discrimination, Analysis and types of price discrimination, conditions influencing demand elasticity, Tie-in</p> <p>Product Differentiation: horizontal and vertical product differentiation, product differentiation and market power, product positioning, imperfect information and switching cost</p>	9	CLO 3
	<p>Advertising: Information, persuasion and signaling, advertising intensity, price competition and advertising</p>	9	CLO 4

4	<p>Public Policies: Anti-trust policy (Sherman Act), Bias in policy, Specific causes in bias</p> <p>Regulation, Deregulation and Privatization: What is to be regulated, Economic issues of regulation, deregulation, criteria for effective deregulation, reasons for creating public firms, privatization, elements of successful privatization</p>		
5	<p>Merger: Merger, types of merger, motives of merger</p> <p>Diversification: Definition, types of diversification, motives of diversification and measures of diversification (Gort's, Berry's and Entropy indices)</p> <p>Concentration: Definition, measures of market concentration (concentration ratio, HHI, entropy index, Lerner index), concentration and market performance</p> <p>Industrial location analysis: Determinants and economic theory of industrial location (Weber's Theory)</p>	9	CLO 5

D. Learning Resources:

Text Book:

- Barthwal, R.R. (2004) Industrial Economics: An Introductory Textbook (2nd Edition) New Age International (P) Limited Publishers, New Delhi.

Reference Book:

- Cabral, Luis M.B.(2002) Introduction to Industrial Organization, The MIT Press, Cambridge, Massachusetts, London, England.
- Jeffrey. C. R. and Roger. W. (2000) Industrial Organization: An Strategic Approach.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Applied Microeconomics

ISCED Code: 0311

Course Code: ECON-4703

Course Title: Applied Microeconomics

Credits: 03

Contact Hours:03

Total Marks:100; Pre-Requisites: ECON-1101, ECON-2302, MATH-3503

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

The purpose of this course is to provide students with an advanced knowledge of the Economic theory and analytical tools that can be used in decision-making problems at Microeconomic contexts. This course is designed to provide overview of applied Microeconomics, through which students will be knowledgeable about the differences among market structures and pricing decisions and understand the problems within applied business situations. They will be able to choose a resolution, and justify that ethical choice. Students will be able to understand the role of government and the cause behind inefficiency in global market which will also cover the way of correcting the inefficiencies.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

This course is designed to equip students with knowledge of different applications of economics. This course will provide knowledge on differences among global economies and institutions. This will help students to analyze applied business situations. This will also helpful to train students with the capability of problem solving ideas.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Enable to identify differences among market structures and relate them to the real world scenario.	PLO-1,4	Cognitive/ Understanding
CLO2	Use analytical and problem-solving skills in decision making as studied under different market structures.	PLO-1,2	Cognitive/ Understanding
CLO3	Investigate the reasons behind market failure and how to correct them with government intervention.	PLO-2,3	Cognitive/ Applying

CLO4	Recognize and analyze ethical problems within applied business situations, and justify that ethical choice considering overall social welfare.	PLO-2,4	
CLO5	Conduct empirical analysis using an econometric/statistical software package and theories studied in this course.	PLO-2,3,6	

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Chapter-Market Imperfection: Monopolistic and Oligopoly (Review): Definition, Equilibrium under Monopolistic Competition, Excess capacity, Cournot Model, Stackelberg Model, Kinked demand Model, Cartel, Price Leadership.	9	CLO1 CLO2
2	Chapter-Factor Markets: Demand for variable factor under perfect competition, supply of variable factor under perfect competition. Equilibrium in factor market under perfect competition, competition in product market and perfect competition in factor market, Monopoly in Product market and Monopsony in factor market, Bilateral Monopoly, Competition Product market and Trade Union, Pricing of Fixed Factor.	9	CLO2 CLO3
Section B: SEE 50 Marks			
3	Chapter-General equilibrium: Economic Interdependence: General Equilibrium, Existence of Equilibrium, Uniqueness of Equilibrium, Stability of Equilibrium, Walrasian (2x2x2) General Equilibrium Model: Equilibrium in consumption, production and simultaneously in consumption and production. Chapter-Welfare Economics: Welfare Criteria, Pareto Optimality: Efficiency in consumption, production and simultaneously in consumption and production.	9	CLO3 CLO4
4	Chapter-Welfare Economics: Welfare Maximization: Social welfare function, optimal allocation of resources and GUPF. Chapter-Market Failures: Public choice and public good, Why government exists? Mixed goods and externalities, Inefficiencies that require public choices, The Free-Rider Problem, Efficient quantity of a public good, Bureaucratic inefficiency and Government Failure. Externality effects: Positive and Negative, Property rights, The Coase theorem, the tragedy of the common, Achieving an efficient outcome.	9	CLO3 CLO4
5	Chapter-Game theory: The Payoff Matrix of a Game, Nash Equilibrium, Mixed Strategies, Example: Rock Paper Scissors The Prisoner's Dilemma.	9	CLO4 CLO5

	Repeated Games, Enforcing a Cartel, Example: Tit for Tat in Airline Pricing Sequential Games, A Game of Entry Deterrence.		
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D. Learning Resources

List of References

Textbook

Koutsoyiannis, A. (1975). *Modern microeconomics*. Springer.

Reference Book 1

▪ 1 Jehle, Geoffrey A., & Philip J. R. (1997). *Advanced Microeconomic Theory*. Reading, MA: Addison-Wesley.

▪ Mas-Colell, Andreu, Michael D. W., & Jerry R. G. (1995). *Microeconomic Theory*. New York, NY: Oxford University Press.

▪ Islam, M.S. (2015). *Microeconomics with Simple Mathematics*, University Grants Commission of Bangladesh (UGC), Bangladesh

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Islamic Financial System

ISCED Code: 0412

Course Code: FIN-4702

Course Title: Islamic Financial System

Credits: 03 Contact Hours:03

Total Marks:100, Pre-Requisites: BNKG-2302, BNKG-2403, ECON-2402, ECON-3501

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks	
		Class test/ Assignment/ Quizzes		10 Marks
		Mid-term		30Marks
	SEE: Semester End Examination		50 Marks	

A. Introduction of the Course:

This course gives learners an opportunity to consider the strength and weakness of existing world financial system of various organizational structures including providing knowledge on the basic principles of financial system, role of financial system in an Economy. Our prime objective on the present topic is to find out the supremacy of Islamic Financial System over the conventional financial system as a sound economic discipline to remove economic sickness from the society. Another objective may be the justification of co-operation between the two systems.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

The aim of the course is to provide a conceptual framework of Islamic Financial System. The course is designed to enable students to understand how Islam and Islamic worldview permeate all aspects of life including financial system. The basic premise of this course is that the study of Islamic financial system proceeds from the Islamic worldview and has to be developed according to a methodology that is founded upon this worldview.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Explain the elements of Islamic contracts in the area of Islamic Finance.	PLO-1, 2	Cognitive/ Understanding
CLO2	Discuss the various viewpoints among Muslim scholars in the issues of Islamic Finance.	PLO-1, 2, 3	Cognitive/ Understanding
CLO3	Demonstrate the selected principles of Islamic Finance in ongoing dynamic and ever-changing banking industries.	PLO-3	Cognitive/ Applying
CLO4	Develop a good understanding of fundamentals and principles of Islamic finance, the concepts and the Islamic Financial Instruments.	PLO-3, 4	Cognitive/ Understanding
CLO5	Compare and contrast the approaches taken by Islamic Banking with those adopted by conventional western financial service providers, in terms of economic theory, financial services provision, banking regulation and the underpinning drivers.	PLO-3, 4	Cognitive/ Analyzing

C. Summary of Course Contents

SI NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	A brief introduction to Financial System: Concept, Importance, Role and Scope, Objectives, Functions Structure-Financial Markets, Financial Institutions, Financial Instruments-Classification and functions.	3	CLO1, CLO2
2	Riba/Interest and Islam: Concept, Characteristics and Classification of Riba/Interest, Capitalists' arguments in favor of interest, Social, Moral, Economic and Political demerits of interest. Views of different philosophers and Religions regarding interest, Islamic viewpoint on interest in the light of the teachings of the Holy Qur'an and Al Hadit. Profit Vs. Riba, Rent Vs. Riba, Limitations of the conventional Financial System from Islamic viewpoint and Justification for an alternative: The case of Islamic Financial System.	6	CLO3
3	An Overview of Islamic Financial System: The Concept, objectives, Roles, Importance, Characteristics and Principles of Islamic Financial System. Structure of Islamic Financial System, Islamic Financial Instruments, Islamic Financial Institutions and Islamic Financial Markets and their classification. Conventional Vs. Islamic Financial System, Requirement for successful implementation of Islamic Financial System.	3	CLO1, CLO3
4	Money Market and Foreign Exchange Market and their classification: Organized money market vs. Unorganized money market, call money market, Commercial bill market, and short term loan market-Islamic viewpoint of each of them. Different types of foreign exchange market and their view point of each of them.	6	CLO4
Section B: SEE 50 Marks			
5	Capital Market: The Case of Stock Market- The concept, Characteristics, Objectives, Importance/Roles/Functions, Operation of Conventional Stock Market and Limitations of Conventional Stock Market from Islamic viewpoints, Islamic Stock Market-The concept, Characteristics, Objectives, Importance/Roles/Functions Operations of an Islamic Stock Market, A Tentative Model, Comparison between Conventional Stock Market and Islamic Stock Market, Feasibility of Islamic Stock Market.	6	CLO4
6	Commercial Banking under Islamic Framework: Concept, Characteristics, Objectives, Functions/Roles/Importance of conventional banking, Rational of Islamic Banking, Concept, Characteristics, Objectives, Functions/Roles/Importance of Islamic Banking, A Model of Islamic Banking, Conventional Vs. Islamic Banking.	6	CLO5
7	Modes of Financing and Management of Fund by Islamic Bank: Modes and Mechanisms of Mobilization and DePOyment of Fund, Modes of Investment Financing and Their Basic terms and conditions. Mode of debt/trade financing and their basic terms and conditions. Modes of Import and Export financing by Islamic Bank and their basic difference with the Import and Export financing procedures by Conventional Bank through L/C.	6	CLO6

8	Central Banking and Monetary Management under Islamic Framework: Definition, Characteristics, Objectives, Importance/Roles/Functions of a conventional Central Bank. The Monetary policy and Monetary management of by a central bank in a conventional economy and in an Islamic economy- Goals, Instruments, and Operations: A comparative study.	3	CO6
9	Establishment, Growth and performance of Islamic Bank in Bangladesh: Origin of Islamic Banking; Organization Structure, Objectives, Characteristics and Functions of Islamic Banking; Modes of financing; Roles and Contributions of Islamic Banking in the Economy of Bangladesh, Poverty alleviation and Islamic Bank- The Rural Development Scheme; Issues and Problems of Islamic Banking. A critical appraisal of the role of Bangladesh Bank with regard to the promotion of Islamic Banking; Problems and Prospects of Islamic Banking in Bangladesh; Some lessons from selected case studies like Malaysia, Pakistan etc.	3	CLO5, CLO6
10	Insurance in Islam: Definition, Characteristics, Objectives and Importance of Conventional Insurance; Criticisms of Conventional Insurance from Islamic viewpoints and justification for an Islamic Insurance (Takaful). Concept, Objectives and Characteristics of Islamic Insurance; Comparisons between Conventional and Islamic Insurance with special reference to Life Insurance; Takaful in Malaysia and lessons for Islamization of Insurance in Bangladesh.	3	CLO2

D. Learning Resources

- Islamic Financial System: A compilation by Nusrat-E- Aziz Faruq.
- Text Book on Islamic Banking by M. Kabir Hassan et al.
- Thoughts on Islamic Economics, Islamic economics research bureau.
- The journal of Islamic Economics, International Islamic University, Malaysia.

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Research Methodology

ISCED Code: 0542

Course Code: RES-4701

Credits: 03

Total Marks:100

Course Title: Research Methodology

Contact Hours:03

Pre-Req: STAT-1201; STAT-2402; STAT-3503

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Research Methodology is a hands-on course designed to impart education in the foundational methods and techniques of academic research in social sciences context. Research scholars would examine and be practically exposed to the main components of a research framework i.e., problem definition, research design, data collection, ethical issues in research, report writing, and presentation. Once equipped with this knowledge, students would be well-placed to conduct disciplined research under supervision in an area of their choosing.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

The primary objective of this course is to develop a research orientation among the students and to acquaint them with fundamentals of research methods. Specifically, the course aims at introducing them to the basic concepts used in research and to scientific social research methods and their approach. It includes discussions on sampling techniques, research designs and techniques of analysis. Some other objectives of the course are:

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO-1	Demonstrate the ability to choose methods appropriate to research aims and objectives	PLO-1	Cognitive/ Understanding
CLO-2	Understand the limitations of particular research methods.	PLO-2	Cognitive/ Understanding
CLO-3	Understand the importance to ensure accurate data is collected so that the results are interpretable and generalizable.	PLO-3	Cognitive/ Applying
CLO-4	Develop skills in qualitative and quantitative data analysis and presentation, and develop advanced critical thinking skills in economic field research	PLO-3	Cognitive/ Applying
CLO-5	Demonstrate enhanced writing skills in economic field research.	PLO-4	Cognitive/ Analyzing

C. Summary of Course Contents

SL. #	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 20 Marks			
1	Research Methodology -An Introduction Introduction, Meaning of research, Objectives of research, Motivation of research, Significance of research in social science, Types of research, Research approaches: Qualitative and Quantitative, Research methods Vs methodology, Generation of theory: Inductive and deductive reasoning, Research process, Features of a good research. Problems encountered by researchers in Bangladesh.	6	CLO1
2	Defining Research Problem Introduction, meaning of research problem, Components of research problem, Importance of defining research problem, Principles of defining research problem, Techniques of selecting research problem, Process of defining a research problem, & Research proposal.	6	CLO2
3	Research Design Introduction, Important terminologies relating to the research design: Variables, Research hypothesis and Experiment, Types of research design: Exploratory and Conclusive, Experimental versus Non-experimental research design, Steps in research design process, Importance of research design, Features of good research design.	3	CLO3
4	Measurements and Scaling Techniques Introduction, Measurement, Scale, and scaling, Primary Scales of Measurement, Measurement scaling techniques–Comparative and Non-comparative, Criteria for good measurement, Scale Construction Techniques, Sources of Error in Measurement.	3	CLO3
5	Questionnaire Design Introduction, Meaning of Questionnaire, Importance of questionnaire, Types of questionnaires, Characteristics of a good questionnaire, Guidelines for constructing a questionnaire, Pre-testing of questionnaire, Advantages and disadvantages of questionnaire.	3	CLO3
Section B: SEE 40 Marks			
6	Data Collection Methods Introduction, meaning of data, Types of data: Primary data - Meaning of primary data, Methods of collecting primary data: Observation, Survey, Interview, Through Schedule, Through questionnaire, Online/Internet (E-mail/Web) and Case study method, Some other methods, Difference between Questionnaires and Schedules, Selection of appropriate method for collection of	3	CLO3

	primary data. Secondary data - Meaning of secondary data, Sources of secondary data, Scrutiny of secondary data, Advantages and disadvantages of secondary data, Comparison between primary and secondary data, other types of data.		
7	Survey Design Important issues in survey Design, Planning–selection of research staff; preliminary investigation etc., Sample design and Sample Selection. Principles of Sample Survey.	2	CLO4
8	Sampling Design Introduction, Fundamental terminologies relating to sampling, Meaning of sampling, Advantages of Sampling over Census, Essentials of sampling, Sampling unit, Sampling frame, Sampling design, Determination of sample size, Different Methods of Sampling: Random samplings and Non-random samplings, Sampling and non-sampling error & important sampling distributions.	4	CLO4
9	Fieldwork Introduction, Importance of Fieldwork, Fieldwork Management Process, In-house Training for Inexperience Fieldworkers, Principles of good interviewing, Rules of research inquiry in social science, Activities in fieldwork.	1	CLO4
10	Data Processing and Presentation Introduction, Data processing operations: Editing - Field editing and In-house editing, Coding, Classification, Tabulation, Cross-Tabulation, Contingency table (data matrix), Data presentation methods.	2	CLO5
11	Data Analysis and Interpretation Introduction, Significance of data analysis, Descriptive analysis: Univariate data analysis, Inferential analysis/Statistical analysis: Bivariate data analysis, and Multivariate data analysis, Parameter estimation and Test of hypothesis, Analysis of variance (ANOVA), Multiple Regression Analysis, Multivariate regression analysis, Multivariate Analysis of Variance (MANOVA), Factor analysis etc., Generalization and interpretation of the results, Technique of interpretation, Precaution in interpretation.	6	CLO5
12	Report Writing Introduction, Significance of report writing, Category of reports, Types of research reports, General research report format/ Layout of the research report, Art of quoting, footnotes, documentation and bibliography, Presentation of the report.	3	CLO5
	Section B: SEE 20 Marks		
13	Research Project: Selection of a research problem/title, Formulation the research hypothesis, Research design, Questionnaire design, Sampling	3	CLO5

	design, Survey design, Data collection (primary, secondary), Processing the data, Analysis of data (Descriptive and Inferential or Statistical analysis) using statistical software such as: MS Excel, XLSTAT, SPSS, STATA, SmartPLS etc. and Research report writing and Presentation of the report.		

D. Learning Resources

a. Text Books

- Jonker, J., & Pennink, B. (2010). The essence of research methodology: A concise guide for master and PhD students in management science. Springer Science & Business Media.
- Kothari, C. R. (2004). Research methodology: Methods and techniques. Ed. 2nd, New Age International, Jaipur, India

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category (Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

A Survey of Islamic History and Culture

ISCED Code: 0222

Course Code: GEIH-4701 Course Title: A Survey of Islamic History and Culture

Credits: 1 Cr Hr

Contacts: 2 Contact Hr

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Rationale of the Course: The objective of this study is to enrich the learners with the glorious history of four pious *Khalifah* of Islam and their remarkable contributions towards the development of just administration, advancement of civilization and education and their great services towards humanity at large. This course also aims at making the students acquainted with the glorious contribution of the Muslims towards the world civilization during the *Ummayyads* and *Abbasids Khalifah*. The contributions include the advancement of administration, society, civilization, different branches of science such as geography, mathematics, history, medical science, philosophy etc.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding IIUC Mission	Bloom's taxonomy domain/level
CLO1	With the study of this course, the learners will be able to explore the glorious history of early Islamic society and state, particularly of four pious <i>Khalifah</i> and their successors.	IIUCMS-1,2&3	Cognitive/ Understanding
CLO2	The learners will also have the idea about the Muslim contributions towards the difference branches of world civilization.	IIUCMS-1,2&3	Cognitive/ Understanding
CLO3	This study will also help the students to realize the historical processes of development of Muslim society in early time and to make a comparison with the present society.	IIUCMS-1,2&3	Cognitive/ Applying
CLO4	It will enable the learners to appreciate various good practices and cultures that will in turn be resulted in becoming a responsible citizen.	IIUCMS-1,2&3	Cognitive/ Analyze

S.N	CONTENT OF COURSE (as Summary)	Number of Lectures	Corosponding CLO
01.	<u>Section A (Midterm Examination: 30 Marks):</u> Introduction to the course and its objectives. Chapter One: <i>Khilafah</i>: Definition, Origin and Development of <i>Khilafah</i> ; Types of <i>Khilafah</i> ; Election system to the office of <i>Khilafah</i> ; <i>Khilafah</i> and <i>Mulukiyyah</i> ; Qualifications, Duties and Responsibilities of a <i>Khalifah</i> .	3	CLO1

02.	Chapter Two: Introduction to the Four Pious Khalifah: Achievements and Contributions of the Pious <i>Khalifah</i> . Comprehensive study of the historical events during four pious <i>Khalifah</i> : Abu Bakr (R) -the savior of Islam, Umar (R) - the model of modern administration and great conqueror of Islamic empire, Uthman (R) – compiler of the Holy Qur’an, Causes of revolt, assassination of Uthman (R) and its effect on the history, Ali (R) - civil wars during his time and end of the four Pious <i>Khalifah</i> .	6	CLO2 CLO3 CLO7
03.	Chapter Three: Administration under the Four Pious Khalifah: The <i>Shura</i> , Civil Administration, Revenue System, <i>Bait-al-Mal</i> , Judicial Administration, Police-Prison, Religious Administration and Military Administration.	3	CLO7
04.	Section B (Final Examination: 50 Marks): Chapter Four: The Umayyads Khilafah (661 A.D-750 A.D): A brief introduction to Umayyads <i>Khilafah</i> , Credit and Achievements of Muawiah (R), Administrative reforms of Abdul Malik, Expansion of Islamic empire under Walid bin Abdul Malik, Umar bin Abdul Aziz and his Administrative Reforms. Central and Provincial Administration, Social Condition. Umayyads contribution towards the development of civilization & education, and Fall of the Umayyads.	6	CLO4
05.	Chapter Five: The Abbasids Khilafah (750 A.D-1258 A.D): Golden Age of the Abbasids- Abul Abbas as Saffah, Abu Zafar al-Mansur, Harun or-Rashid, Al-Mamun, Abbasids Society, Rights of Women and non-Muslims in Muslim Society, Scientific and Literary development, Education, Development of Art and Architecture. Abbasids Administration- Civil, Military, Judicial and Revenue Administration and Fall of Baghdad.	6	CLO4 CLO7
06.	Chapter Six: A Brief Analysis on the Umayyads <i>Khilafah</i> of Spain and <i>Fatimids Khilafah</i> of Egypt and North Africa.	2	CLO4 CLO5
07.	Chapter Seven: Muslim contribution to different fields of civilization: a) Geography; b) Medical Sciences and Medicine; c) Chemistry;	d) Mathematics; e) Astronomy; f) Historiography; g) Art and literature; and h) Painting and Calligraphy	4 CLO5 CLO6

Text Book:

P.K. Hitti, *History of the Arabs*, Macmillan edition, 1970, London.
K. Ali, *A Study of Islamic History*, Adam Publishers & Distributors, 2006, Dhaka.
Mofizullah Kabir, *An Outline of Islamic History*, Dhaka.

Reference:

- S.A.Q. Hussaini, *The Arab Administration*, 1956, Lahore.
 Syeed Ameer Ali, *A Short History of Saracens*, Macmillan edition, 1916, London.
 T.I. Arnold, *The Caliphate*, Oxford, 1924, London.
 Muhammad Ali, *The Early Caliphate*, Cambridge, 1936, London.
 W. Muir, *Caliphate, Its Rise, Decline and fall*, Edinburg, 1934.
 B. Lewis, & P.M. Holt (ed.), *Cambridge History of Islam*, 1947.
 Syeed Ameer Ali, *The Spirit of Islam*, Christophers, 1891, London.
 Thomas Arnold, *The Legacy of Islam*, Oxford, 1931, London.
 Joseph Hell, *The Arab Civilization*, W. Heffer & sons, limited, 1926, London.
 Hamilton Gibb A.R. *Studies on the Civilization of Islam*, Princeton, 1982, London.
 R. Levy, *The Social Structure of Islam*, Cambridge 1979, London.
 R.A. Nicholson, *A Literary History of the Arabs*, Cambridge 1930, London.
 A.M.A. Shushtery, *Outline of the Islamic Culture*, The Bangalore Printing & Publishing Co. Ltd., 1954, India.
 S.M. Imamuddin, *Arab Muslim Administration*, 1976, Karachi.
Encyclopedia of Islam
 S. KhudaBaksh, *Islamic Civilization* vol 1-2, IdaraIslamiyat-e-Diniyat, or Kitab Bhavan, 1984, Delhi.
 H.K. Sherwani, *Studies in Muslim Political Thought and Administration*, Muhammad Ashraf, 1945, Lahore.
 M.A. Shabon, *The Abbasid Revolution*, Cambridge, 1970, London.
 M.A. Shabon, *Islamic History; A New Interpretation*, 1971, London.
 R.H. Turner, *Science in Medieval Islam: An Illustrated Introduction*. 1995, Austin: University of Texas Press.
 M.Iqbal, *The Reconstruction of Religious Thought in Islam*. 1986, Institute of Islamic Culture, Lahore.
 M.N. Roy, *The Historical Role of Islam*, Ajanta Publications, 1981, Delhi.
 Musa Ansari, *Moddhojoger Muslim Sovvota o Sonskriti*, Bangla Academy, 1999, Dhaka.
 Board of Researchers, *Scientific Indications in the Holy Quran*, Islamic Foundation Bangladesh, 2004, Dhaka.
 R.M. Savory, *Introduction to Islamic Civilization*, Cambridge University Press, 1977, London.
 Franz Rosenthal, *A History of Muslim Historiography*, Leiden, 1952.
 Cobb S., *Islamic Contributions to Civilization*, Avalon Press, Washington, 1963.
 Ziauddin Sardar, *Science, Technology and development in the Muslim World*, Croom Helm, 1977, London.
 M. AkborAli, *Bigghane Musalmander Obodan* (Muslim Contribution to science) Volume 1-12, 1936, Dhaka.

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Applied Macroeconomics

ISCED Code: 0311

Course Code: ECON-4807;

Course Title: Applied Macroeconomics

Credit Hour: 03

Contact Hour: 03

Pre-Requisites: ECON-1201, ECON-2402

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks	
		Class test/ Assignment/ Quizzes		10 Marks
		Mid-term		30Marks
	SEE: Semester End Examination		50 Marks	

A. Introduction of the Course:

The purpose of this course is to provide students with an advanced knowledge of the economic theory and analytical tools that can be used in decision-making problems at Macroeconomic contexts. They will be able to learn Macroeconomic parameters in the context of National Income Accounting, Performance of whole economy in the light of Macro concepts.

A. B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

Now a day, macroeconomic theories have once again surged to the forefront of public attention and debate. This course aims to bring you up to date with modern developments in macroeconomic theory and offer fresh perspectives on the macroeconomic challenges of the day. The purpose of this course is to provide students with an advanced knowledge of the economic theory and analytical tools that can be used in decision-making problems at Macroeconomic contexts. Students who successfully complete the course shall be able to:

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Discuss, critically evaluate and recommend policy options in the broad area of macroeconomics.	PLO-1	Cognitive/ Understanding
CLO2	Analyze causes and consequences of unemployment, inflation and economic growth and recognize key concepts and core theories of international macroeconomics.	PLO-1, 3, 4	Cognitive/ Understanding
CLO3	Apply economic tools to real world events and policy making.	PLO-3, 4	Cognitive/ Applying
CLO4	Communicate concepts, graphically, mathematically and in writing, to a professional standard	PLO-1, 3	Cognitive/ Applying
CLO5	Evaluate what is important and cast an argument in terms of relevant international macroeconomic models.	PLO-1	Cognitive/ Analyzing

C. Summary of Course Contents

SL. NO	COURSE CONTENT(as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1.	Neo classical theory: How labour supply is determined through the utility maximization of a representative consumer, The neoclassical production function and the Cobb-Douglas production function, How labour demand is determined through the profit maximization of a representative firm, Competitive equilibrium and Pareto optimality	9	CLO1
2.	Economic growth: Key growth facts, A Malthusian model of stagnation in output per capita prior to the 19th century, The Solow model of growth in output per capita since the industrial revolution, Growth accounting and development accounting, endogenous growth models: learning-by-doing, human capital accumulation, research and development.	9	CLO2, CLO3
3.	Section B: SEE 50 Marks		
4.	Money: Definition, Origin, Functions, Types, How Banks Create Money, Money Demand, Money Supply, Changes in Demand for and Supply of Money, Money Multiplier, Money stock Measures, The Quantity Theory of Money, Sources of Changes in Reserve Money, Equilibrium in Money Market, Monetary Targeting. Baumol Tobin Model, Partial Adjustment Model, Error Correction Model.	9	CL01 CLO3
5.	The Open Economy: Introduction, The Balance of Payment Accounts, Net Export and The Exchange Rate (Fixed and Flexible), The Open Economy and The Goods Market (Net Export), The Goods Market Equilibrium; Capital Mobility, The Balance of Payments and Capital Inflows, Equilibrium in the External and Internal Balances, Mundell-Fleming Model (16 cases), Wealth Effect and Mundell-Fleming Model, Beggar-thy-neighbor Policy, The J- Curve Approach on Balance of Trade, Exchange Rate Overshooting, Purchasing Power Parity.	10	CLO5
6.	Growth Theory: a. What is Economic Growth? Differences between Economic Growth and Development, Production Function and Growth, Factors Determining Economic Growth: Capital Formation; Foreign Capital; Foreign Aid; and Foreign Investment; Four Kinds of Growth of National Income, Technological Progress and Economic Growth; b. The Harrod-Domer Condition for Equilibrium Growth, Instability in Harrod-Domer Model, The Natural Rate of Growth; The Golden Age; The Relevance of Harrod-Domar Growth Model for Developing Countries. c. The Basic Neoclassical Growth Model; Fundamental Growth Equation-the Growth Process; Impact of Increasing in the Saving Rate; Effect of Population Growth; Variable Population Growth, d. Endogenous Growth Model, Differences Between Endogenous Growth	8	CLO4 CLO5

	Model and Neoclassical Growth Model.		
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D. Learning Resources:

- Mankiw, N. G. (2014), Principles of Macroeconomics. Cengage Learning, USA
- Dornbusch. R. & Fischer, S., (1974) Macroeconomics Ed.6th, McGraw-Hill Kogakusha, USA
- Branson, W. H. (1972), Macroeconomic theory and policy, Ed.3rd, USA
- Dwivedi, D. N. (2005). Macroeconomics: Theory and policy. Tata McGraw-Hill Education. India

E. Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Econometrics: Methods and Applications

ISCED Code: 0311

Course Code: ECON-4802

Course Title: Econometrics: Methods and Applications

Credits: 03

Contact Hours:03

Total Marks:100

Pre-Requisites: ECON-1101, MATH-1101, ECON-1201, STAT-1201, ECON-2302, MATH-2302, ECON-2402, STAT-2402, MATH-3503, STAT-3503& ECON 3601

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction of the Course:

Econometrics: Methods and Application is a set of research tools used to estimate and test economic relationships in the practical field of Economics and Business. The methods taught in this advanced course can also be employed in the business disciplines of Banking, Accounting, Finance, Marketing and Management and in many social science disciplines. The aim of this course is to provide you with the skills helpful in filling the gap between being “a student of economics” and being “a practicing economist.” By taking this introduction to econometrics you will gain an overview of what econometrics is about and develop some “intuition” about how things work. The emphasis of this course will be on understanding the tools of econometrics and applying them in practice.

B. Course Learning Outcomes Mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

Students who successfully complete **ECON-4802** should be comfortable with basic statistics and probability. They should be able to use a statistical/econometric computer package to estimate an econometric model and be able to report the results of their work in a non-technical and literate manner. In particular a student who successfully completes **ECON-4802** will be able to estimate and interpret linear regression models and be able to distinguish between economic and statistical importance. They should be able to critique reported regression results in applied academic papers and interpret the results for someone who is not trained as an economist.

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom’s taxonomy domain/level
CLO1	Illustrate the main ideas underlying the linear & multiple regression models and derive the simplest numerical and statistical properties of the OLS and other relevant estimators.	PLO-1	Cognitive/ Understanding

CLO2	Provide an economic and statistical interpretation of a regression outputs obtained from different estimators	PLO-2, 3, 4, 6	Cognitive/ Understanding
CLO3	Look critically at the assumptions of the classical linear regression model and examine the effects and consequences of violation of these assumptions on regression outputs.	PLO-1,2, 6	Cognitive/ Analyzing
CLO4	Translate an economic argument into a formal testable hypothesis within a multiple regression model and carry out the appropriate testing procedure, and apply the econometric tools to conduct an empirical analysis using an econometric/statistical software package.	PLO-2, 4, 5	Cognitive/ Applying
CLO5	Provide an economic and statistical interpretation of a regression outputs in the real world scenario by using time series data, cross section data, pooling data, simultaneous equation modeling and so on.	PLO-1, 2, 5	Cognitive/ Applying

C. Summary of Course Contents

Sl NO	COURSE CONTENT (as Summary)	Hrs	CLOs
Section A: Mid Term 30 Marks			
1	Review of The Multiple Regression Model: Introduction; The Economic Model; The Econometric Model; The General Model, The Assumptions of the Model; Estimating the Parameters of the Multiple Regression Model: Least Squares Estimation Procedure, Least Squares Estimates, Estimation of the Error Variance	9	CLO1 CLO5
2	Further Inference in the Multiple Regression Model: The F-Test; The Relationship between t- and F-Tests; Testing the Significance of a Model; An Extended Model; Testing Some Economic Hypotheses, A One-Tail Test with More than One Parameter, Using Computer Software; The Use of Non-sample Information, Model Specification: Omitted Variables, Irrelevant Variables, Choosing the Model, The RESET Test; Poor Data, Collinearity, and Insignificance, The Consequences of Collinearity, An Example, Identifying and Mitigating Collinearity, Prediction, Exercises, Problems, Computer Exercises.	9	CLO2, CLO3 PLO4
Section A: SEE 50 Marks			
3	Nonlinear Relationships: Polynomials; Cost and Product Curves, A Wage Equation; Dummy Variables: Intercept Dummy Variables, Choosing the Reference Group, Slope Dummy Variables with Example; Applying Dummy Variables; Interactions between		CLO2, CLO3 CLO4, CLO5

	Qualitative Factors with several Categories, Testing the Equivalence of Two Regressions, Controlling for Time, Seasonal and Annual Dummies, Regime Effects; Interaction between Continuous Variables; Log-linear Models; Exercises, Problems. Heteroskedasticity: The Nature of Heteroskedasticity; Using the Least Squares Estimator, Transforming The Model, Estimating the Variance Function A Heteroskedastic, Partition; Detecting Heteroskedasticity: Residual Plots, The Gold-Quandt Test, Testing the Variance Function, The White Test, Exercises, Problems.	9	
4	Random Regressors and Moment Based Estimation: Linear Regression with Random x's, The Small Sample Properties of the Least Squares Estimator, Asymptotic Properties of the Least Squares Estimator x Not Random and Random, Why Least Squares Fails; Cases in Which x and e are Correlated, Measurement Error, Omitted Variables, Simultaneous Equation Bias, Lagged Dependent Variable Models With Serial Correlation; Estimators Based on the Method of Moments: Method of Moments Estimation of a Population Mean and Variance, Method of Moments Estimation in the Simple Linear Regression Model, Instrumental Variables Estimation in the Simple Linear Regression Model, With Surplus Instruments and in a General Model, Hypothesis Testing and Goodness-of-Fit with Instrumental Variables Estimates; Specification Tests: The Hausman Test for Endogeneity, Testing for Weak Instruments and Instrument Validity, Numerical Examples Using Simulated Data, Specification Tests for the Wage Equation, Exercises, Problems.	9	CLO4, CLO5
5	Simultaneous Equation Models: A Supply and Demand Model; The Reduced Form Equations; The Failure of Least Squares; The Identification Problem; Two-Stage Least Squares Estimation, The General Two-Stage Least Squares Estimation Procedure and Properties; An Example of Two-Stage Least Squares Estimation; Supply and Demand , Exercises, Problems.	9	CLO5

D. Learning Resources

Text Books

- Gujarati, D. N. (2012). Basic Econometrics. Tata McGraw-Hill Education. USA

Reference Books.

- Hill, R. C., Griffiths, W. E., & Lim, G. C. (2008). Principles of Econometrics (Vol. 5). Hoboken, NJ: Wiley. UK, **Publishing** House, 2011
- Johnston J. (1984). Econometric Methods, McGraw Hill Book Compnay, New York,
- Maddala G.S. (1977). Econometrics, McGraw Hill Book Company, New York, 1977.

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Islamic Banking and Takaful

ISCED: 0412

Course Code: BNKG-4808

Credit: 03

Prerequisite: No prerequisite courses

Course Title: Islamic Banking and Takaful

Contact Hour: 03

Total Marks: 100

Course Assessments	CIE: Continuous Internal Evaluation	Attendance	10 Marks
		Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

A. Introduction to the course:

This course is designed to provide an overview of Islamic banking and takaful from Islamic sharia viewpoint. This course simplifies and explain the theories and concepts of the Islamic financial instruments used in the Islamic finance industry. This will give a practical exposure to the students on implementation of Islamic finance concepts in real life situations and especially in day to day management of finances for businesses in a Shari'ah compliant way. It helps to outline the challenges faced in transformation of the finance industry as well as the economy from so-called interest-based modes to interest free transactions.

B. Course Learning Outcomes and mapping of Course Learning Outcomes (CLO) to Program Learning Outcomes (PLO):

S/N	Course Learning Outcomes (CLOs): Upon the successful completion of the course, students will be able to	Corresponding PLO	Bloom's taxonomy domain/level
CLO1	Understand the current knowledge, ideas and the real scenario of Islamic banking and insurance.	PLO-5	Cognitive/ Understanding
CLO2	Apply the knowledge to outline the challenges faced in transformation of the finance industry as well as the economy from so-called interest-based modes to interest free transactions	PLO-2, 4, 5	Cognitive/ Understanding
CLO3	Understand the Foreign Exchange Operation and Import and Export Financing of Islamic Banks	PLO-1	Cognitive/ Analyzing
CLO4	Analyze the nature of risk and the different types, the concept of insurance and reinsurance and the risks that can be protected through insurance	PLO-2	Cognitive/ Applying
CLO5	Evaluate Islamic banking and takaful with other conventional system.	PLO-1, 6	Cognitive/ Applying

C. Summary of the Course Contents:

Sessions	Course Contents	Hrs	CLO
Section A: Mid Term 30 Marks			
1	<p>Basic Concepts of Islamic banking: Meaning and Concepts of Islamic Banking; Theoretical Basis of the Concept of Islamic Banking; Distinguishing Features of Islamic Banking Systems Compared to Conventional Banking System; Riba and Interest; Types of Riba; Rationale for Prohibition of Riba; Objectives of Islamic Banking; Economic Exploitation of Interest; Evolution of Islamic Banking and Financial Institutions.</p> <p>Deposit Mobilization: Concepts of Deposit Mobilization; Types of Deposits under Islami Shariah; Al-Wadiyah; General Mudarabah Accounts; Term-Mudarabah Accounts; Special Mudarabah Accounts; Cost of Pooled Fund.</p> <p>Liquidity Management: Concepts of Liquidity; General Liquidity Policies; Liquidity vs. Profitability; Short-term and long-term Liquidity; Day to Day Management of Money Position; Purposes of Cash Reserves Requirement; Primary Reserve; Secondary Reserve; Case Study.</p>	9	1
2	<p>Management of Funds by Islamic Bank: Islamic Modes of Investment; Bai – Mechanism: Bai-Murabaha; Bai-Muajjal; Bai-Salam; Istisna'a; Share-Mechanism: Mudaraba; Musharaka; Ijara-Mechanism: Hire-Purchase under ShirkatulMelk; Comparative Features of Conventional and Islamic Modes of Financing.</p> <p>Non-investment Services of Islamic Banks: Collection of Negotiable Instruments; Sale of Share; Transfer of Money; Maintenance of Budget Accounts; Settlement of Transactions; Bank Guarantee.</p> <p>Risk Management by Islamic Banks: Concepts; Major Risk faced by Banks; Techniques of Measuring and Managing Risks by Islamic Banks in Bangladesh, GAP & Market Risk Management; Credit Risk Management; Financial Engineering in Islamic Finance; Portfolio Risk.</p>	9	2
Section A: SEE 50 Marks			
3	<p>Foreign Exchange Operation of Islamic Banks: Meaning of Foreign Exchange; Functions and Roles Played by Foreign Exchange in International Trade; Rate of Exchange; Fixed Exchange Rate Under Bretton Wood System, Flexible Exchange Rates; Bangladesh Exchange Rate Regimes; Convertibility of Taka; Methods of Fixation of Foreign Exchange; Manage Exchange Rates; Effective Exchange Rate; Forward Exchange Transactions; Causes of Fluctuations; Methods of Remitting Money Abroad; Management of Foreign Exchange; Transactions in an Islamic Bank; Use of Surplus Foreign Exchange Inside and Outside the Country with Reference to an Islamic Bank</p> <p>Import and Export Financing by Islamic Banks: Letter of Credit (L/C); Islamic View-point about L/C; Operating Procedures of L/C in Islamic Banks; Procedures of Import-financing, Export-financing, and Remittance by Islamic Banks; Import & Export Bills; Impact of B/L & B/E on Import-Export Financing.</p>	9	3

	<p>Issues and Problems of Islamic Banking: An Overview of the Problems; Issues and Problems in Implementation; Issues related to Macro Operations; Valuation of Bank's Assets; Credit creation and Monetary Policy; Lack of Capital Market and Financial Instruments; Issues related to Micro operations; Problems faced by Islamic Banks in Bangladesh.</p>		
4	<p>Introduction to insurance: Concept, Nature, Functions, Principles, Types, Role and Importance of Insurance, Difference between insurance and Assurance.</p> <p>Analysis of Insurance Contract: The basic parts of Insurance contracts, Definition of the "Insured", Endorsements and Riders, Deductibles, Coinsurance, Coinsurance in Health Insurance.</p> <p>Life Insurance: Concept, Features, Types of Life Insurance, Policy Conditions, Annuities, Premium, Reserve, Investment of Funds, Surrender Value, Valuation & Surplus, Bonus. Process of collecting claims of life insurance, Policy lapsed in life insurance. Problems and Solutions.</p> <p>Supplementary Insurance Policy Fire Insurance: Concept, Characteristics and Uses, Kinds of Policy. Marine Insurance: - Concept, Types, Nature, Differences between the Marine insurance and Fire insurance, Concept of Reinsurance and Rural Insurance and Agriculture Insurance. Empirical Analysis of fire and marine insurance.</p>	9	4
5	<p>Islamic Insurance: Concept, Difference between Islamic insurance and conventional insurance, Tabarru based takaful, mudaraba based takaful, distinguish between profit and surplus on the basis of Islamic insurance, family takaful and general takaful product</p> <p>Insurance Company Operations: Insurance Company Operations, Rate Making, Underwriting, Production, Claim Settlement, Reinsurance, other Insurance Company Functions</p> <p>Risk Management: Meaning of Risk Management, Objectives of Risk Management, Steps of Risk Management Process, Evaluations of Risk, Factors affecting risk, Sources of risk information, Classes of risk, and Methods of risk management.</p> <p>Insurance Pricing: Objectives of Rate Making, Rate Making in Property and Liability insurance, Rate Making in Life Insurance, Reserves in Property and Liability insurance, Reserves in Life Insurance.</p> <p>Insurance in Bangladesh: History of insurance in Bangladesh, Present pattern of insurance in Bangladesh, Role of Private Insurance Companies. Problems & Prospects of Insurance Business in Bangladesh.</p>	9	5

D. Learning Resources:

Text Book:

- Text Book on Islamic Banking, by Chief Editor M. Kabir Hassan, Ph.D in Islamic Economics Research Bureau.
- Insurance Principles and practice, By – M. N. Mishra

Required references supporting the course:

- Journal of Thoughts on Economics.
- Journal of Economics and Finance.
- Annual Reports of Islamic Banks.
- Principles of Risk Management and Insurance, By- George E. Rejda

E.Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

- **Note:** CIE=Continuous Internal Evaluation, SEE= Semester End Examination.
- **Delivery methods & activities:** Lecture, White Board Writing, Questions and Answers, Discussions PowerPoint Presentation,
- **Assessment tools:** Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.

Bangladesh Studies

ISCED Code: 0222

Course Code: GEBS-4802 Course Title: Bangladesh Studies

Credits: 2 CH

Contacts: 2 CH

Course Assessments	CIE:	Attendance	10 Marks
	Continuous Internal Evaluation	Class test/ Assignment/ Quizzes	10 Marks
		Mid-term	30Marks
	SEE: Semester End Examination		50 Marks

Rationale of the Course: This course is designed to help the students obtaining comprehensive knowledge about the history and heritage, Geography and environment, people and society, politics and constitutional Development of Bangladesh. This course also will make students understandings on foreign policy and international relations, economics and natural resources, education and literature, philosophy and religion, art and culture of Bangladesh and such other conceptions and ideas that are significantly related to the people and society of Bangladesh.

This course will deepen students understanding of complex interconnection of historical events that lead to the formation of Bangladesh, current trend in political and economic development thereby improving critical thinking along with their written and oral communication skills, quantitative skills and technical literacy. It will also enhance their understanding of current phenomena in the light of history that will make them responsible global citizen.

SL	Course Learning Outcomes (CLOs) : Upon the successful completion of the course, students will be able to :	Corresponding IIUCMS	Bloom's taxonomy domain/level
CLO1	Understand basic geographical characteristics of Bangladesh and its impact on the life and society, ethnology of its people and population distribution.	IIUCMS-1&3	Cognitive/ Analyze
CLO2	Identify specific stages of Bangladesh's political history, through the ancient, medieval, colonial and post-colonial periods and critically analyzesocio-cultural plurality in Bangladesh.	IIUCMS-1&3	Cognitive/ Understand
CLO3	Have a comprehensive concept about the historical developments of Bengali nation until the emergence of Bangladesh as an independent country in 1971.	IIUCMS-2&3	Cognitive/ Evaluate
CLO4	Critically analyze and present cogent argument on why tensions and contestations between and among social groups may emerge within and among states both in written and oral forms.	IIUCMS-1&2	Cognitive/ Analyze

CLO5	Critically analyze how different constitutional bodies and socio-political institutions operate and how their behavior influences political governance.	IIUCMS-1,2&3	Cognitive/ Apply
SL.NO	CONTENT OF COURSE (as Summary)		Hrs. CLOs
01.	Outline study of Bangladesh Geography: Location, Area, Boundary, Physiographic features, River System, Forest, Climate and Environmental Challenges of Bangladesh. Geographical Impact on the People and Society.	06	CLO1
02.	The People of Bangladesh: Ethnology of the People, Tribal Communities, Population Growth, Composition and Distribution, Population Challenges and Prospects for Bangladesh.	03	CLO1
03.	History and Society of Ancient Bengal: Early settlement and territorial identity, Sasanka (The first independent king), Matsyanyayam and its comparison with the present situation, Pala and Sena dynasty.	06	CLO2 CLO3
04.	History and Society of Bengal under Muslim Rule (1204-1757): Advent of Islam in Bengal and Its Impact, Composition of Muslim Society in Bengal, Role of Sufism, Foundation of Bengali Nationalism, Educational and Literary Development, Evaluation of the Impact of Muslim Rule on Bengal Society and Civilization.	06	CLO2 CLO3
05.	History and Society of Bengal under British Rule (1757-1947): Introduction of British Colonial Rule in Bengal, British Policy towards Economy and Education, Socio-Religious Reform Movements and the Struggles for Freedom from British Colonialism, Intellectual Movements, Partition of Bengal, Role of Congress and Muslim League, Rising of Nationalism Movements and the Emergence of Pakistan, Impact of British Administrative Policy on the Society of Bengal.	06	CLO4 CLO5
06.	History and Society of Bangladesh during Pakistan Rule (1947-1971): National disintegration between East and West Pakistan, political mobilization and successive national movements leading to the independence of Bangladesh.	03	CLO3 CLO5
07.	Political Development in Modern Bangladesh: Formation and Role of Major Political Parties, Regime Analysis of Modern Bangladesh, Issues of Bangladesh Politics, and Challenges of Democracy.	03	CLO6 CLO7
08.	Constitutional and Administrative Development of Bangladesh: The Constitution of Bangladesh, its historical background, characteristics, contents, constitutional organizations, amendments and administrative structure.	03	CLO6 CLO7
09.	Foreign Policy and International Relations of Bangladesh: Principles of Foreign Policy, International Relations of Bangladesh, Role of Bangladesh in International Organizations such as the UN, OIC, SAARC, ASEAN, BIMSTEC etc.	03	CLO6 CLO7
10.	Concept of Development and Sector wise Development in Bangladesh: Definitions of Development, The Birth of the Human Development Index, MDGs, SDGs, Sector wise development scenario in Bangladesh (Education, Economy, Health, Agriculture, Women Empowerment, Environment) Minerals and Resources, Socio-economic and cultural problems and prospects of Bangladesh.	06	CLO7 CLO8

Text Book:

- Sirajul Islam (ed.), *Banglapedia: National Encyclopedia of Bangladesh*, Vol. 1-14, (Dhaka: Asiatic Society of Bangladesh, 2014).
- Md. Thowhidul Islam and others, *Bangladesh Studies*. (Dhaka: Bangladesh Institute of Islamic Thought-BIIT, 2017).
- Dr. M.A. Rahim, and others, *Bangladesher Itihash*, (Dhaka: Nowroz Kitabistan, 1994).
- Muhammad Shamsul Huq, *Bangladesh in International Politics*, (Dhaka: The University Press Limited, 1995).

Reference Books:

- Harun Er Rashid, *Geography of Bangladesh*, (Dhaka: University Press Limited, 1991).
- Mosharraf Hossain, *Graphoman World Atlas*, 7th edition, (Dhaka: Graphosman, 2012).
- Sir Jadu-Nath Sarkar, *The History of Bengal*, Vol – 1-3, (Dhaka: The University of Dhaka, 1972).
- Mohar Ali, *History of the Muslims of Bengal*. Vol – 1-3, (Dhaka: Islamic Foundation Bangladesh, 2003).
- Abdul Karim, *Social History of the Muslims of Bengal*, (Chittagong: Baitush Sharaf Islamic Research Institute, 1985).
- Dr. Enamul Huq, *A History of Sufism in Bengal*, (Dhaka: Bangla Academy, 1975).
- Board of Researchers, *Islam in Bangladesh through Ages*, Dhaka: Islamic Foundation Bangladesh, 1995).
- Sufia Ahmed, *Muslim Community in Bengal (1884-1912)*, (Dhaka: Oxford University Press, 1974).
- Dr. M.A. Rahim, *The Muslim Society and Politics in Bengal*, (Dhaka: University of Dhaka, 1978).
- Dr. M.A. Rahim, *Social and Cultural History of Bengal*, Vol – 1-2, (Dhaka: Bangla Academy, 1982).
- Prof. Dr. Muinuddin Ahmed Khan, *Islamic Revivalism*, (Dhaka: Bangladesh Institute of Islamic Thought, 2010).
- Dr. Muinuddin Ahmed Khan, *Muslim Struggle for freedom in Bengal*, (Dhaka: Islamic Foundation Bangladesh, 1983).
- Dr. Muhammad Inamul Huq, *Varoter Musalman O Shwadinota Andolan*, (Dhaka: Bangla Academy, 1995).
- Azizur Rahman Mallick, *British Policy and the Muslims in Bengal*, (Dhaka: Asiatic Society of Pakistan, 1961).
- Muhammad Habibur Rahman, *Gangariddhi Theke Bangladesh*, (Dhaka: Bangla Academy, 1985).
- Sirajul Islam, *History of Bangladesh*, Vol – 1-3, (Dhaka: Asiatic Society of Bangladesh, 2008).
- Oli Ahad, *Jatiyo Rajniti 1945-1975*, (Dhaka: Bangladesh Co-operative Book Society, 2004).
- Abul Mansur Ahmad, *Amar Dekha Rajniteer Poncash Bochor*, (Dhaka: Srijon Prokashoni Ltd., 1988).
- Kamruddin Ahmed, *Social History of East Pakistan*, (Dhaka: Crescent Book Center, 1967).
- Shaikh Maqsud Ali, *From East Bengal to Bangladesh: Dynamics and Perspectives*, (Dhaka: The University Press Ltd., 2009).

- Maidul Hasan, *Muldhara 71*, (Dhaka: The University Press Ltd., 1986).
- Moudud Ahmed, *Bangladesh: Constitutional Quest for Autonomy*, (Dhaka: The University Press Ltd., 2003).
- Rounaq Jahan, *Pakistan: Failure in National Integration*, (Dhaka: University Press Limited, 1977).
- Akbar Ali Khan, *Discovery of Bangladesh*, (Dhaka: The University Press Ltd., 2009).
- Talukdar Maniruzzaman, *Bangladesh Revolution and its Aftermath*, (Dhaka: The University Press Ltd., 1992).
- Shamsul I. Khan, *Political Culture, Political Parties and the Democratic Transition in Bangladesh*, (Dhaka: The University Press Ltd., 2008).
- Dr. Md. Emran Zahan & Dr. Md. Siddiqur Rahman Khan, *Bangladesher Itihas 1972-2014*, (Dhaka: Abosar Prokashana Sangstha, 2018).
- *The Constitution of the People's Republic of Bangladesh*, (Dhaka: Ministry of Law, Justice and Parliamentary Affairs)
- Md. Abdul Halim, *Constitution, Constitutional Law and Politics: Bangladesh Perspective*, (Dhaka: BCC Foundation, 1998).

Useful web links:

- <http://www.bangladesh.gov.bd>
- <http://www.bangladesh.com>
- <http://www.banglapedia.org>
- <http://www.bbs.gov.bd>

Course Assessment Pattern (Theory courses):

Bloom's Category		Evaluations out of 100 marks			
		CIE (50 marks)			SEE (50marks)
Cognitive learning	Affective Learning	Mid-term: (30)	Assignment/ Class Test: (10)	Attendance Marks (:10)	Written Exam: (50)
Remember	-	-	-	-	5
Understand	-	5	5	-	5
Apply	-	5	-	-	10
Analyze	-	5	-	-	10
Evaluation	-	10	5	-	10
Create	-	5	-	-	10
x	Responding	x	x	10	
Remarks	Course teachers may change the magnitude of marks in Bloom's category(Both for CIE and SEE), but he/she will have to keep in mind that the % of higher order learning mode must be about 60% or more and all the Bloom's categories to be addressed during the semester.				

Note: CIE=Continuous Internal Evaluation, SEE= Semester End Examination.

Delivery methods & activities: Lecture, White Board Writing, Questions and Answers, Discussions Power point Presentation,

Assessment tools: Class Attendance, Class test, Quizzes/ Assignment. Mid-Term & Final Exam. Project evaluation & Viva.