EAST WEST UNIVERSITY

"A meaningful synthesis of eastern culture and values with western thought and innovation"

East West University reserves the right to change the policies, fees, curricula, or any other matter in this publication without prior notice and to cancel programs and courses. This publication is to be read neither as part of a contractual agreement nor as a guarantee of the classes, courses, or programs described herein.

East West University

Excellence in Education

45~46, 53, Mohakhali C/A.
Dhaka-1212

Tel. : 9882308, 8811381, 8812335
Fax : 880-2-8812336
E-mail: info@ewubd.edu
Web Site: www.ewubd.edu

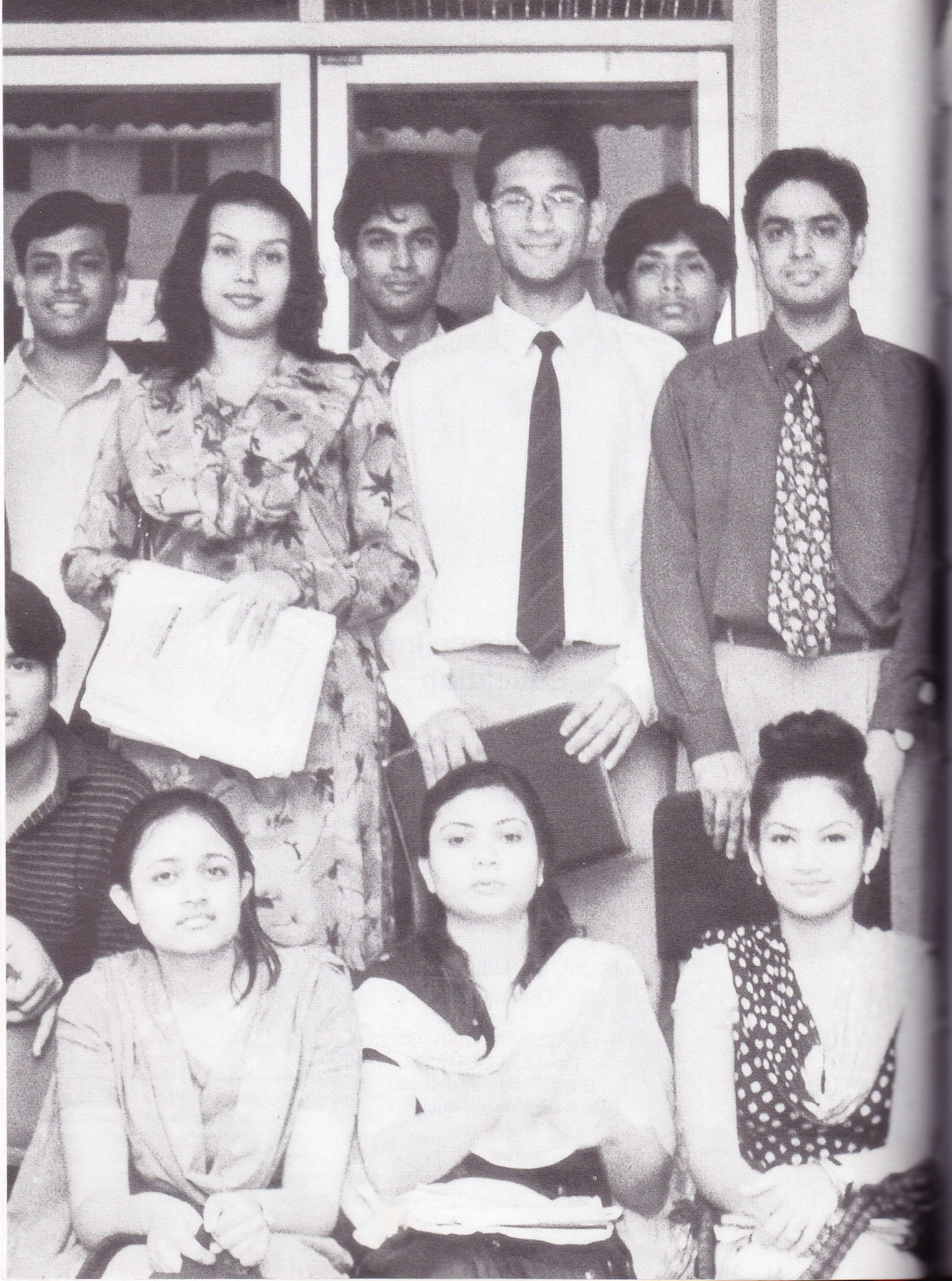


Table of Contents

Mission Statement

In keeping with its name, East West University (EWU) endeavors to synthesize eastern culture and values with western thought and innovations. As an institution of higher learning that promotes and inculcates ethical standards, values and norms, East West University is committed to the ideals of equal opportunity, transparency, and non-discrimination.

The primary education mission of East West University is to provide, at a reasonable cost, post-secondary education characterized by academic excellence in a range of subjects that are particularly relevant to current and anticipated societal needs. Central to the University's mission is providing students with opportunities, resources and expertise to achieve academic, personal and career goals within a stimulating and supportive environment. East West University is striving not only to maintain high quality in both instruction and research, it is also rendering community service through dissemination of information, organization of training programs and other activities. Sensitive to the needs of its students and staff, East West University is committed to providing a humane, responsive and invigorating atmosphere for productive learning and innovative thinking.

History

The idea of establishing a private university to provide quality education at an affordable cost in Bangladesh was first mooted by a group of prominent academics, business leaders, professionals and education enthusiasts led by Dr. Mohammed Farashuddin. With this end in view, this group formed a non-profit, non-political, charitable organization called **Progoti Foundation for Education and Development** (PFED). EWU is its first major project. This Foundation is chaired by Syed Manzur Elahi, an Advisor in the Caretaker Government of Bangladesh in 1996 as well as in 2001.

After being accorded permission by the Government under the Private University Act (Act 34) of 1992, East West University (EWU), was launched in 1996. On 05 August, 1996 it organized a lively seminar on "Bangladesh Towards 21st Century: Development Options, Opportunities and Constraints" which was inaugurated by the Honorable Minister of Finance of the Government of the People's Republic of Bangladesh, Mr. Shah A.M.S. Kibria. Among the participants were a very distinguished group of thinkers, economists, donor representatives, academics, and policy-makers. The key note paper was presented by Professor Nurul Islam, the first Deputy Chairman (Minister) of the Bangladesh Planning Commission.

Classes started in September, 1996 with 6 faculty members and 20 students in the present campus, 45, Mohakhali Commercial Area, Dhaka.

Accreditation and Collaboration

East West University has been accredited by the Government of the People's Republic of Bangladesh, and its curricula as well as programs have been approved by the University Grants Commission. The President of the People's Republic of Bangladesh is the Chancellor of EWU. The Vice Chancellor, the Pro-Vice Chancellor, and the Treasurer of the University, are appointees of the President of the country in his capacity as the Chancellor of the University.

East West University has formal collaboration agreements with some leading universities in the USA. They are as follows:

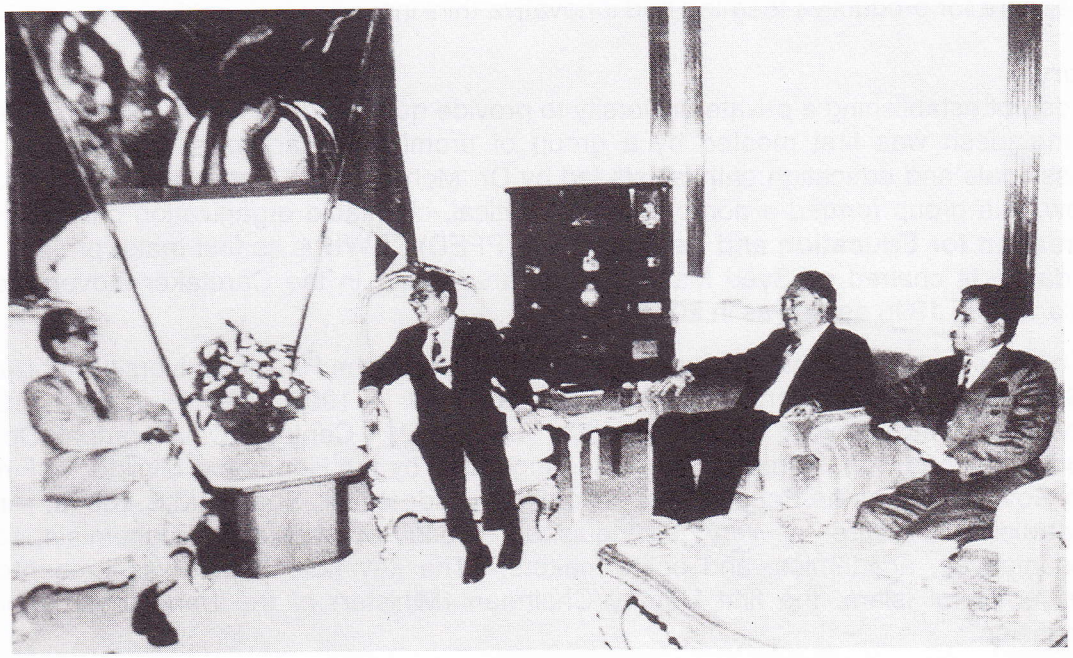
Pace University (New York)
Suffolk University (Boston)
Southern Illinois University at Carbondale

Location

The temporary campus of the University is located at Mohakhali C/A., Dhaka. It is spread over three six-storied buildings with over 40,000 sq. ft. of space. It is easily accessible by all modes of public transportation.

With a view to shifting to its own campus, East West University (EWU) has purchased 555.75 decimals of land at Mouja Vadham, P.S. Tongi, District- Gazipur, EWU has also received allotment of 1 (one) bigha of land at Uttara from RAJUK.

The University expects to get possession of the land allotted by Rajuk and will start construction immediately thereafter. The plan is to move to its own campus within the time frame provided for in the Private University Act, 1992.



Syed Manzur Elahi, Dr, Mohammad Farashuddin and
H. N. Ashequr Rahman with President Shahabuddin Ahmed, Chancellor of EWU.

Degrees Offered

Currently, EWU offers the following four-year Bachelor degrees:

- B.A. in English
- B.B.A. (Majors in Accounting, Marketing, Finance, Management, International Business, and MIS)
- B.S.S. in Economics
- B.Sc. in Computer Science and Engineering
- B.Sc. in Communication & Information Technology

In future, four-year Bachelor's degrees will be offered in the following areas :

- Environmental Studies
- Management Information System (MIS)
- Population Sciences
- Health Management and
- Gender Issues

East West University also offers MBA and Executive MBA Programs.

English is the officially approved medium of instruction and examination for all programs offered by East West University.

An undergraduate class in progress

Faculty

Faculty members are chosen through a rigorous selection process. Applications are first scrutinized at the department level, and then processed through an Appointments Committee of the University.

Acting on the recommendations of the Appointments Committee, the Board finally appoints Faculty members.

At the moment about 80% of the Faculty members of East West University work full time.
List of Faculty Members :

Professor

Dr. Sultan Ahmad, Ph.D., (Demography) Australian National University, Canberra, Australia.

Dr. Mohammad Musa, Ph.D., (Finance), University of Wisconsin-Milwaukee.

Dr. Md. Mozammel Huq Azad Khan, Ph.D., (Computer Science & Engineering) Bangladesh University of Engineering & Technology.

Dr. Md. Shahidullah, Ph.D., (ELT), University of Pune, MA (ELT), Thamas Valley University, London, DIP TEFL, University, of Sydney, Australia.

Dr. Miftahur Rahman, Ph.D., (Solid State Physics/Optics), University of Lowell (UMASS-Lowell), USA, M.S (Salid State Physics), USA. Marquette University, USA, M.Sc. (Nuclear Physics), University of Dhaka.

Mr. Abdul Mannan, M.B.A (Marketing), University of Hawaii, Hawaii, U.S.A.

Associate Professor

Dr. A.H.M. Asaduzzaman, Ph.D. (Computer Science), Kiev Polytechnic Institute, Kiev, Ukraine MS (Computer Engineering) L'VOV Polytechnic Institute, Ukraine. (on leave)

Mr. Asit Roy Choudhury,Post-graduate Diploma in TESL/TEFL University of Wales, U.K.

Mr. Ershadul H. Chowdhury, M.Sc. (Computer Engineering), Texas A & M University College Station, USA . B.Sc. (E.E). BUET, Dhaka.

Mr. S.I. Nusrat A. Chaudhury, MS (USSR), MBA (Finance) Keller Graduate School of Management, Chicago Illinois, U.S.A.

Dr. Rebecca Sultana, Ph.D., USA.

Dr. Tanbir Ahmed Chowdhury, Ph.D. (Financial Management & Quantitative Techniques), Pune University, Poona, India.

Dr. Salimullah Khan, Ph.D. (Economics) New School University, New York.

Mr. Syed Akhter Hossain, M.Sc (Applied Physics & Electronics), Rajshahi University.

Assistant Professor

Mr. Kazi Khaled Shams Chisty, MBA Columbia State University, USA.

Dr. Golam Ahmed Faruqui,Ph.D., (Finance) La Salle University, Mandeville, LA 70470.

Mr. Harunur Rashid Khan, M. A (Applied Linguistics), Victoria University of Wellington, New Zealand, Post Graduate Diploma in TESOL, University of Canberra, Australia, MA (English Literature) Jahangirnagar University.

Mr. M. Humayun Kabir, M.A. (Physics), Kent State University, OHIO.

Mr. Md. Mujibur Rahman Khan, B.Sc (Computer Science & Engineering), Khulna University, Khulna.

Senior Lecturer

Mr. S.S.M Sadrul Huda, Master of Science, Leisure & Environment, Wageninjen, Agricultural University, The Netherlands.

Mr. Tauhid Ul Alam, M.A, California State University, Sacramento, U.S.A.

Mr. Raihan Chowdhury, Master's of Information Technology, University of Canberra, Canberra, Australia.

Mr. Mohammad M. Rahman, Bachelor of Science in Computer Information Science, Central Missouri State University, USA.

Mr. Ehsan Hasib, M.Sc. Minnesota State University, Mankato, USA.

Ms. Anindita Paul, M.Sc.(Mathematics), Jahangirnagar University.

Lecturer

Ms. Roksana Khurshid, M.S.S. (Anthropology), University of Dhaka. (on leave)

Mr. Feroz Ahmed, MBA, (IBA) Dhaka University. (on leave)

Ms. Jahida Gulshan, M.Sc.(Statistics), Dhaka University.

Ms. Sharmin Kabir, M.Sc. (Mathematics), Dhaka University.

Mrs. Nirupoma Chowdhury Rahman, B. .A. (Hons. in English), Jadavpur University, India, M. A. (English), Dhaka University.

Ms. Farzana Akhter, M.A. (English), Dhaka University.

Ms. Papia Ferdousei, M Sc. (Statistics), Dhaka University.

Ms. Nafisa Halim, MSS, (Sociology), Dhaka University.

Ms. Touhida Tasnima, M.S.S,(Public Administration), Dhaka University.

Ms. Rubina I Ahmed, MBA, Independent University, Bangladesh.

Mr. Mirza Mohammad Mamun Sadat, MA (Applied Linguistics and ELT), Dhaka University.

Ms. Afrin Zeenat, B.A.(Hons.), Aligarh University, India, M.A. Dhaka University

Mr. Md. Nawab Yousuf Ali, MS.c, L'vov Polytechnic Institute, L'vov Ukraine, USSR.

Mr. Arifur Rahman Khan, M.Com. (Accounting), Dhaka University.

Ms. Sharmin Naaz, M.S.S (Sociology), Dhaka University.

Mr. M. M. Waliullah, B.Sc. in Computer Science, East West University, Dhaka.

Mr. Taskeed Jabid, B.Sc. in Computer Science, East West University, Dhaka.

Mr. Mohammad Shahidul Hasan, M.Sc. (Computer Science), Dhaka University.

Mr. Manzur Ashraf , B.Sc in Computer Science and Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.

Mr. Kazi Khaled Al-Zahid, B.Sc. Engineering in Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET). Dhaka.

Mr. Mohammad Ahsan Ali, B.Sc. Engineering (Computer Science and Engineering) (Bangladesh University of Engineering & Technology).

Ms. Maliha Shahjahan, B.Sc. Engineering (Electrical & Electronics Engineering), Bangladesh University of Engineering and Technology (BUET), Dhaka.

Mr. Alok Das, M.A. (Applied Linguistics & English Language Teaching), University of Dhaka.

Mr. Tanvir Hasan Malik, M.A. (English Literature & Language), Jahangirnagar University.

Visiting Faculty

Dr. Mohammad Kaykobad

Dr. Jyoti P. Dutta, Ph.D. in Journalism, University of Missouri, Columbia, Missouri, USA.

Dr. M. Abdus Sobhan

Dr. Shireen Huq, Ph.D, (English) Bombay University, India.

Dr. Fakrul Alam, MA (Simon Fraser), Ph.D. (University of British Columbia), Canada.

Dr. Farruk Ahmed, Ph.D. (Electronic & Electrical Engineering), Salford, U.K.

Mr. Zubair Sayeed, C.P.A (Certified Public Accounting), USA, MBA, Eastern Illinois University.

Dr. Syed Ferhat Anwar, Marketing, B.Sc. (Hon), M.Sc. MBA, DUT, and Ph.D.

Dr. Md. Ziaulhaq Mamun, Ph.D (Urban Development Planning), Asian Institute of Technology, Bangkok, Thailand.

Dr. Monirul Alam Hossain, Ph.D.(Accounting), University of Manchester.

Dr. Md. Golam Dastagir, Ph.D. Philosophy and Religion, University of Hull England, UK.

Mr. Tajuddin Ahmed, MBA, California State University, USA.

Mr. Abdus Salam, B.Sc. Engineering (Electrical & Electronic Engineering), Bangladesh University of Engineering & Technology.

Mr. Syed Tanveer Rahman, M.Sc. (Psychology), Dhaka University.

Mr. Md. Kamal Uddin, M.Sc. (Psychology), Dhaka University.

Teaching Assistant

Mr. Muhammad Tareq, M.Sc, (Statistics) Dhaka University.

EWU Administration

President & Treasurer :	Mr. Syed Manzur Elahi, M.A.. (Economics)
Vice Chancellor :	Mr. M. Monwarul Islam, M.A.. (Economics)
Registrar :	Mrs. Firdaus Ali, M.A. (Economics)
Joint Registrar :	Ms. Suraiya Ahmad, M.S. (Education)
Deputy Registrar :	Mr. Sk. Ruhul Amin, B. Com.
Deputy Financial Controller:	Mr. Amal Krishna Das, M. Com. C.A. (Finalist)
Deputy Librarian (in Charge) :	Mr. Shamsul Alam, M.A.. (Library and Information Science

Dean of Faculties :

Dr. Sultan Ahmad, Ph.D. (Demography) Australian National University, Canberra, Australia.

Chairperson of Departments :

Business Administration :	Mr. S.I. Nusrat A. Chaudhury MS (USSR), MBA (Finance) Keller Graduate School of Management, Chicago Illinois, U.S.A.
Computer Science & Engineering :	Dr. Md. Mozammel Huq Azad Khan Ph.D. (Computer Science & Engineering,) Bangladesh University of Engineering & Technology.
English :	Dr. Md. Shahidullah Ph.D. (ELT), University of Pune, MA (ELT), Thames Valley University, London DIP TEFL, University of Sydney, Australia
Communication & Information Technology :	Dr. Sultan Ahmad Ph.D. (Demography) Australian National University, Canberra, Australia.
Coordinator MBA/EMBA Program :	Dr. Syed Ferhat Anwar B.Sc. (Hon), M.Sc. MBA, DUT, and Ph.D
Proctors :	Dr. Miftahur Rahman Ph.D (Solid State Physics/Optics) University of Lowell (UMASS-Lowell), USA M.S (Salid State Physics), USA. Marquette University, USA M.Sc. (Nuclear Physics), University of Dhaka.

Admission

Prospective students should obtain a EWU admission form by paying in cash or by sending a bank draft for Taka 300 or US $10 to the Registrar's Office. The student should return the completed application form to the Registrar's Office within the stipulated time. All correspondence and inquiries concerning admission to the University should be addressed to Registrar's office.

Students seeking admission to EWU must pass an admission test. The date of the test is announced in major daily newspapers. Students are tested on English Language (structure, vocabulary, comprehension and composition) and Basic Mathematics. Those who want to study Computer Science and Enginearing and Communication and Information Technology are required to have competence in HSC-level Mathematics, while others are required to have reasonable proficiency in SSC-level Program Mathematics. Those who seek admission in BA (English) program are exempted from the Math Test.

Results of the Admission test are announced within 3 days of the test. A list of successful candidates is posted in the Bulletin Board of the University.

Admission Requirements

Minimum qualifications for admission to undergraduate programs are as follows:

1. At least a second division in SSC and HSC Examinations. or
2. University of London GCE "O" level in five subjects with at least 10 points and "A" Level in two subjects with at least " C" grade or
3. Completed American High School Diploma or equivalent. and
4. Accepted EWU Admission Test Score.

- Admission Test will be waived for candidates with a minimum score of 1100 in the Scholastic Aptitude Test (SAT) and at least 550 in the Test of English as a foreign language (TOEFL).
- Admission Test will be waived for placeholders of HSC examinations and applicants with 4 A's out of 5 "O" level examinations and 2 B's in "A" level examinations.

Students who have completed a two year Bachelor's degree from a recognized university can apply for admission into the four-year undergraduate program. However, EWU will consider applications for credit transfer only in cases where previous academic performance meets EWU degree requirements.

Application forms are available for Tk.300 at EWU Accounts, 45 Mohakhali, Dhaka 1212. To receive application forms by mail, write to the office of the Registrar along with a bank draft or money order for Tk.300 in favour of East West University. Please print the name and address of the applicant. However, it is preferable to collect application forms personally.

Credit Transfer

Applicants who intend to be admitted into EWU with credit transfer are considered for admission based on the result of the admission test and courses completed at public universities of Bangladesh, North South University, and Independent University of

Bangladesh. Credit is generally transferable, provided that course work has been successfully completed and is equivalent to that offered at East West University.

Faculty members evaluate courses already completed according to an established procedure. Courses taken at other institutions may satisfy the core curriculum requirements only if the courses are equivalent to EWU courses approved for the core curriculum and a grade C or higher was earned. Course equivalencies are determined on the basis of contents, prerequisites, writing requirements, and level. Some transfer students may be required to sit for placement examinations to determine eligibility for obtaining credit as transfer.

Non-Degree Students

Applicants who are currently enrolled in an undergraduate program in a recognized university may apply for admission as non-degree students. Non-degree students may obtain transcripts reflecting credits and grades for the course(s) attended.

Academic Advising

Each student is assigned an academic advisor at the beginning of the school year who assists the student in defining educational goals to be reached; gives information regarding curricula, and graduate programs; and discusses personal problems the student may have, especially those related to the student's academic progress and plans for subsequent pursuits. Students are expected to schedule appointments with their advisors during pre-registration and at other times throughout the semester as needed.

Students must inform their advisors of any special needs or deficiencies which might affect academic performance or selection of courses. Students are expected to know academic policies, procedures, and degree requirements, and must remain informed about their progress in meeting these requirements.

Students are encouraged to seek assistance as needed from the advisor and take advantage of student support services provided by the University.

Registration

The Admission Office will notify newly accepted students about the time and place of their registration. Students are responsible for fulfilling all requirements of the degree program to which they are admitted. They should consult their advisors in planning their course schedules and be familiar with EWU policies and procedures related to registration and graduation requirements for their degrees. **Registration is incomplete until all fees are paid.**

A student can not register after the schedule date of registration mentioned in the academic calendar except by special permission of the Dean of Faculties. To avoid late fees (of taka 500.00) students must register during the scheduled registration period.

Registration for any session of the University is contingent upon eligibility for registration. Thus advance registration, including the payment of tuition and fees, are considered invalid if the student is later declared to be ineligible to register due to scholastic reasons. Detailed information about dates and procedures for advise and registration are shown in each semester's academic calendar of the University which is available in the Registrar's Office of EWU.

Students should also be familiar with the following general points about Registration.

1. Registration for a semester is conducted under an academic calendar. Registration starts immediately preceding the start of classes and late registration continues till the second week of classes.

2. Mere attendance does not mean registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class. Students should complete the registration process before classes begin.

3. Enrollment changes to courses can only be made through the processing of an official registration form.

4. After the second week of the semester, the Office of Admissions and Records will process the Official Registration form.

5. Tuition and fees are payable in advance or by installments (with prior approval). A student shall not be enrolled until at least the first installment of tuition and fees have been paid or officially deferred.

6. Students can not drop a course merely by stopping attendance.

7. Students must register for at least 3 (three) courses every semester.

8. Students, who after advising fail to pay their tuition and other fees, will have to pay a fine of 50 percent of the total fees charged for the semester.

Late Registration

A student who seeks to register after the first day of the semester must have the permission of the Dean of Faculties. Those students who are given permission to register late must pay a late registration fee of Tk.500.00

Adding and Dropping Courses

Students who seek to add or drop courses should consult their advisors first. They must also obtain signatures of instructors of relevant courses.

Students may add courses only within the date mentioned in the Academic Calendar if space is available and with the approval of their academic advisors.

The last day for dropping a course with and without a record entry (i.e. "W") is mentioned in the semester academic calendar.

The instructor may drop students from a course if they fail to attend 80 percent of the scheduled class meetings. The student must keep the instructors informed regarding absences from classes.

Refund Policy

Applications for withdrawal from the University or from a course after the registration period is over must be made in writing to the Registrar. Merely notifying an instructor will not be sufficient. In cases of authorized withdrawals, and changes in schedule/registration (adds and drops), adjustment of semester tuition and fees will be made as per provisions mentioned in the academic calendar.

No adjustment is authorized for the Admission fee or other assessed fees. Financial assistance will be projected on the same basis as the adjustment policy.

Withdrawal as a result of serious illness or disabling accident will be subject to review by the University for possible variations from the policy described above. Such events are considered on a case to case basis. No adjustment will be made for a student who is suspended, dismissed, or expelled for breach of discipline.

Tuition and other fees

Fees, presented below, are lower than most of the major private universities of comparable standard in Bangladesh.

The current fee schedule is as follows:

1.	Admission Fee (one-time)	Tk. 10,000
2.	Course Fee	Tk. 2,600 per credit hour
3.	Laboratory Fee	Tk. 1,000 per semester for CSE and CIT
		Tk. 400 per semester for other departments.
4.	Student Activity Fee	Tk. 200 per semester

Total approximate fees for a typical student to graduate are delineated below:

Items	BBA	B.Sc.		Liberal Arts	Social Science
		CSE	CIT	English	Economics
Admission Fee	10,000	10,000	10,000	10,000	10,000
Course Fee	3,19,800	3,58,800	3,35,400	3,22,400	3,19,800
Lab Fee	4,800	12,000	12,000	4,800	4,800
Activity Fee	2,400	2,400	2,400	2,400	2,400
Total	**3,37,000**	**3,83,200**	**3,59,800**	**3,39,600**	**3,37,000**

The University also offers remedial (non-credit) courses in English and Mathematics free of cost for one semester only. Passing these remedial courses is a prerequisite for continuing as a student. If a student fails in the remedial courses in the first attempt, he/she will have to pay regular course fees during subsequent registration.

Students must pay semester fees in full on the day of registration. A late registration fee of Tk. 500.00 is charged from students who register or pay their fees after the regular registration period. A student's obligation to pay tuition and fees is not reduced by approval to defer payment. All dues are expected to be paid before the final examination.

For official transcript a fee of Tk. 500.00 will be charged.

Financial Aid

According to the provision of the Private Universities Act of 1992, private universities must provide scholarships to 5 (five) percent of its poor but meritorious students. East West University firmly believes that nurturing talent is essential for establishing an equitable and exploitation free civil society in Bangladesh. The avowed policy of the University is to support meritorious students who need financial assistance.

Financial aid is provided in different forms:

A. Place holders in the HSC Examination and students with 4 A's out of 5 "O" level examinations and 2 B's in "A" level examinations are awarded with a full-year tuition

waiver scholarship. The scholarship is extended if they meet the requirements of 'B' (see below.)

B. The top 10% (based on merit) students of each batch who completed 30 credits during the just concluded year is awarded merit scholarships. The scholarship provides full-tuition waiver for a full academic year.

C. Need based scholarships are also available for continuing students with a minimum CGPA of 2.5.

Students in front of the cafeteria

Grading and Performance Evaluation

A student may earn five letter grades on the basis of his/her performance in a course. The letter grades A, B, C, and D are considered passing grades. The grade F is the failing grade. The numerical equivalents of the grades are given below:

Numerical Scores	Letter Grade		Grade Point
90-100	A+		4.00
	A	Excellent	4.00
	A-		3.7
80-85	B+		3.3
	B	Good	3.0
	B-		2.7
70-75	C+		2.3
	C	Satisfactory	2.0
	C-		1.7
60-65	D+	Poor	1.3
	D		1.0
	F*	Failure	0.0
	I**	Incomplete	0.0
	W**	Withdrawal	0.0
	R**	Repeat	0.0

* Credits for courses with this grade does not apply towards graduation.

** Credits for courses with these grades do not apply towards graduation and are not used for the calculation of the grade point average.

The exact cut off points for assigning letter grades is at the discretion of individual instructors. The same applies to the assignment of + or – after a letter grade. This is meant to give more flexibility so that shades of performance can be distinguished and rewarded with the + and – value of 0.3 grade point.

Grade Report

Grade reports are generated by the Registrar's Office and mailed to guardians soon at the conclusion of each semester. Students are solely responsible for their academic progress and should consult immediately with their academic advisors in the event their performance becomes unsatisfactory. Failure to maintain satisfactory progress can lead to loss of financial aid, academic probation, or dismissal, or other equally serious consequences.

Grade Point Average (GPA)

A student's grade point average is numerical value obtained by dividing the total grade points earned by the credits attempted. Only the courses graded A+, A, A-, B+, B, B-, C+, C, C-D+, D, and F are used to determine credits attempted.

In case students repeat courses, GPA and CGPA will be calculated on the basis of the grades obtained at the last attempt of the course(s) only. Grades obtained in course(s) in all examinations will be shown in the grade report.

In addition, students who complete courses in addition to their normal credit requirements for graduation will inform the Registrar in writing about the courses which s/he intends to declare for consideration towards the requirements for the degree.

GPA – Class Equivalence

EWU students are evaluated on GPA. Comparison of the GPA earned by EWU students to the classes earned by students in other universities in the country is as follows:

GPA 3.00 and above	=	First Class
GPA 2.50 to 2.99	=	Second Class
GPA 2.00 to 2.49	=	Third Class

Incomplete (I)

The "Incomplete" (I) grade may be used in special circumstances. The "Incomplete" may be given only at the end of a semester to a student who has completed all other requirements except the final examination without further class attendance. The instructor must file with the Registrar an Incomplete Grade Form describing the work to be completed.

The student has the responsibility to take the initiative in making up the Incomplete as specified by the instructor. If action is not taken within three weeks of commencement of the next semester, the "I" grade will automatically be converted to "F", otherwise the "I" grade will revert to the tentative final grade (the final grade becomes an "F" if no tentative grade was assigned). In the event where the instructor from whom a student received an incomplete grade is not available, the disposition of the case involving an incomplete grade resides with the Dean of Faculties.

Withdrawal (W)

The grade "Withdrawal" (W) is assigned when a student officially drops a course within the date mentioned in the academic calendar for the semester.

Retake Policy

Students with a grade of "C" and below will be allowed to retake the course only once. In these cases, the better grade obtained of the two attempts will be used to calculate the GPA and CGPA and the other grade will appear as "R" on the grade report.

Students who wish to retake a course must obtain previous written permission of the concerned chairperson of the department. They will have to register for the course again and will be required to pay usual tuition including lab (if applicable) and other fees. This policy will be in effect from the Fall 2001 semester.

Change of Degree Program

A student who wishes to change his/her major has to apply to the Dean of Faculties for permission to do so within the first year (three consecutive semesters) of his/her admission. Once the permission is granted, the student concerned must fulfil the following requirements within six semesters of his/her date of admission. The specific requirements of transfer to a particular major are set out below:

1. **To change to Computer Science:**
   The applicant must secure a minimum grade of `B' in both MAT 100 and CSE 105 within the specified period.

2. **To change to BBA:**
   The applicant must secure a minimum grade of `B' in both BUS 101 and MAT 100 or MAT 110 within the specified period.

3. **To change to English:**
   The applicant must secure a minimum grade of `B' in both ENG 101 and ENG 102 within the specified period.

4. **To change to Economics:**
   The applicant must secure a minimum grade of `B' in either MAT 100 or MAT 110 and ECO 101 within the specified period.

5. **To change to CIT:**
   The applicant must secure a minimum grade of `B' in both MAT 100 and CSE 101 within the specified period.

Alternatively, the applicant may appear in the subsequent admission test and qualify for the department to which (s)he wants to study. For appearing in the subsequent admission test, the applicant must inform the Registrar. A student will be allowed change of department once only.

Semesters:

Spring	: January	–	April (Fourth Sunday of January)
Summer	: May	–	August (Fourth Sunday of May)
Fall	: September	–	December (Fourth Sunday of September)

Class Meetings:

Classes are held from Sunday through Thursday. All undergraduate classes meet two times a week. If classes cannot be held due to unavoidable reasons, makeup classes are arranged as follows: classes of Sunday and Tuesday slots are held on Thursday; Sunday and Thursday slots are held on Tuesday; and Tuesday and Thursday slots are held on Sunday; and classes of Monday and Wednesday slots are held on Saturday.

Academic Probation

Student whose CGPA will be between 1 and 2 after the first two semesters will be placed on probation for the next two semesters. If students placed on probation fail to raise their CGPA to at least 2 after the probation period they will face dismissal from the university. If a student's CGPA falls below 2 subsequently, he/she will again be placed on probation.

Academic Dismissal

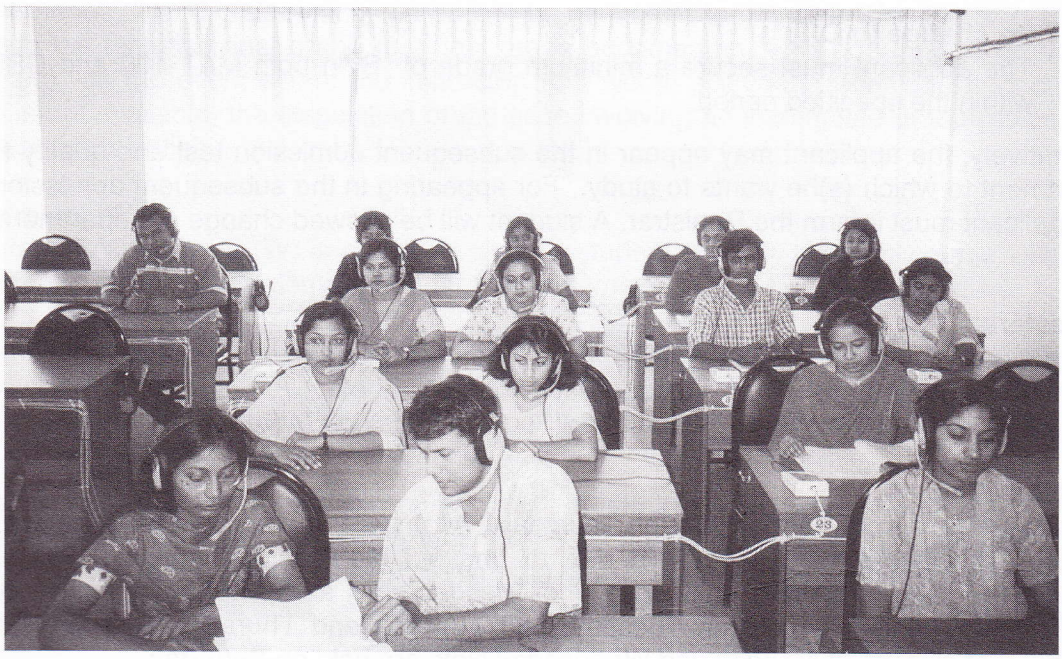
A student whose CGPA will be below 1 after the first two semesters will be automatically dismissed from the university. Students who fail to raise CGPA to satisfactory levels during the probation period will face dismissal from the university.

Students who fail to pass in remedial courses in two consecutive attempts will also be automatically dismissed from the university.

Once dismissed for scholastic failure, a student is ineligible to enroll in further courses, and re-admission to the University will not be allowed.

Leave of Absence

A leave of absence may be granted for upto three semesters to a student in good academic standing (not on academic probation or subject to dismissal). A student applying for a leave of absence must give a definite semester for re-registration and must register within three semesters of the date of leaving school. Only one leave of absence can be granted. A leave of absence is granted through the Dean of Faculties office. A student who does not return for re-registration at the specified semester will be classified as "Officially Withdrawn" and must apply for re-admission to the Registrar.



EWU Language Laboratory

Graduation Requirements for Undergraduate Programs

Meeting the graduation requirements is the student's responsibility. These include:

1. A minimum of 124-156 credits for a bachelor's degree, of which at least half must be earned at EWU in a degree program (residency requirement). Candidates for BA in English, BBA,, and BSS in Economics degrees will be required to earn no less than **124** credits, and B.Sc. degree candidates majoring in Computer Science and Engineering **156** credits and those majoring in Communication and Information Technology **136** credits. **Total credits requirement for graduation may change.**
2. Completion of all course requirements for the degree/major.
3. A minimum CGPA of 2 will be required for graduation. The CGPA will be calculated on the basis of grades earned in the last examination of a course, wherever applicable.
4. On completion of all requirements, students must apply to the Registrar stating their intentions that they want to be considered for the award of the Bachelor degree in the relevant discipline.
5. No outstanding financial obligation to EWU.
6. All university properties must have been returned.

   Fulfillment of the above conditions does not necessarily mean that a degree will be conferred on the student. The University reserves the right to refuse the awarding of a degree on disciplinary or similar grounds.

Minor Requirements

Undergraduate students are allowed to do a minor. The minor must be from departments other than his/her own. The minimum number of courses to be completed for a minor is 8 (eight). Students intending to do a minor must apply in writing to the Dean of Faculties for permission after completing 50% of courses with a minimum CGPA of 2.50 for his/her base degree. The minimum CGPA must be 2.00 to qualify for a minor.

To fulfill minor requirement one should successfully complete the following courses from the area in which s/he intends to do the minor.

Business Administration

Compulsory Courses : ACT 101 MGT 101,MIS 101, MKT 101, ECO 101, and ITB 301
Optional : Any two from the remaining BBA Core and/or Concentration courses.

English

Any eight courses from the Following :
ENG 145, ENG 155, ENG 190, ENG 195, ENG 208, ENG 215, ENG 230, ENG 301 and ENG 345.

Communication and Information Technology

CTT 101, CTT 102, CTT 201, CTT 202, CTT 203, CTT 301, CTT 405, and CTT 406.

Computer Science and Engineering

CSE 105, CSE 107, CSE 205, CSE 207, CSE 245, CSE 275, CSE 301, and CSE 412

Requirements for the Degree of Bachelor of Arts (BA) in English

Minimum Requirements – 124+1=125 credits

1. General Requirements — **34 Credits**

Compulsory General Education Courses — **19 Credits**
BUS 101, CSE 101, ENG 100, ENG 101, ENG 102, GEN 201

Optional General Education Courses — **15 Credits**
Choose Five Courses from
CSE 102, GEN 202, GEN 203, GEN 205, GEN 206, GEN 207
GEN 208, GEN 209, GEN 210

2. Core Requirements — **60 Credits**
ENG 145, ENG 151, ENG 154, ENG 155, ENG 190, ENG 195
ENG 205, ENG 207, ENG 208, ENG 215, ENG 220, ENG 230
ENG 301, ENG 305, ENG 306, ENG 309, ENG 310, ENG 345
ENG 420, ENG 438

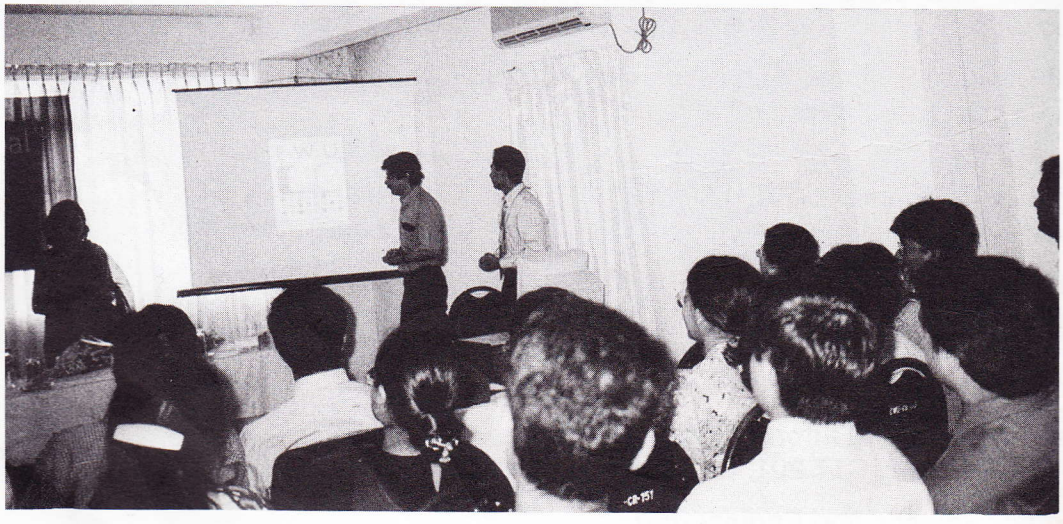
3. Elective Requirements — **31 Credits**
Students will select ten courses from one of the two concentrations:

(a) Concentration in Literature
ENG 210, ENG 212, ENG 302, ENG 330, ENG 410, ENG 425
ENG 430, ENG 435, ENG 440, ENG 445, ENG 450, ENG 455

N.B.: ENG 440 is of 4 credits and compulsory.

(b) Concentration in Linguistics and ELT
ENG 204, ENG 206, ENG 303, ENG 316, ENG 319, ENG 335
ENG 412, ENG 413, ENG 414, ENG 415, ENG 417, ENG 436

N.B.: ENG 436 is of 4 credits and compulsory.



Professor Zafar Iqbal addressing the students of CSE department

Requirements for the Degree of Bachelor of Business Administration (BBA)

Minimum Requirements 123+1=124 Credits

1. **General Requirements** — **34 Credits**

   Compulsory General Education Courses — **25 Credits**
   BUS 101, CSE 101, ENG 100, ENG 101, ENG 102, GEN 201
   MAT 110, STA 101

   Optional General Education Courses — **9 Credits**
   Choose Three Courses from
   CSE 102, GEN 202, GEN 203, GEN 204, GEN 205, GEN 206
   GEN 207, GEN 208, GEN 209, and GEN 210

2. **Core Requirements** — **60 Credits**
   ACT 101, ACT 201, BUS 231, BUS 361, ECO 101, ECO 102, FIN 101
   FIN 201, ITB 301, MAT 311, MGT 101, MGT 251, MGT 337, MGT 409
   MGT 480, MIS 101, MIS 305, MKT 101, MKT 201, STA 327

3. **Concentration Requirements** — **18 Credits**
   Students may be allowed to do concentration in two areas

   (a) **Concentration in Accounting**
   ACT 311, ACT 411, ACT 421, ACT 441 and

   Choose two courses from
   ACT 427, ACT 430, ACT 456, ACT 478

   (b) **Concentration in Finance**
   FIN 425, FIN 435, FIN 465 and

   Choose three courses from
   FIN 335, FIN 350, FIN 380, FIN 408, FIN 410, FIN 450, FIN 475, ACT 311

   (c) **Concentration in International Business**
   ITB 401, ITB 428, ITB 465 and

   Choose three courses from
   ITB 445, ITB 450, ITB 455, ITB 460, and MKT 408

   (d) **Concentration in Management**
   MGT 402, MGT 421, and MGT 465

   Choose three courses from
   MGT 405, MGT 410, MGT 425, MGT 437, MGT 448

   (e) **Concentration in Management Information System**
   CSE 105, MIS 402, MIS 404 and MIS 406

   Choose two courses from
   CSE 107, CSE 301, MIS 407, MIS 408, MIS 409, MIS 415, and MIS 419

   (f) **Concentration in Marketing**
   MKT 410, MKT 414, MKT 430

Choose three courses from
MKT 401, MKT 405, MKT 408, MKT 412, MKT 418

4. Open Electives **9 Credits**

Students must take three 300/400 level courses as open electives to quality for the BBA degree. Students can choose any 300/400 level course from BA, and/or CSE, and/or CIT, and/or ENG department. Students will not be allowed to take the following two courses as open elective courses: CIT 301 (Network Technology) and CIT 403 (Local Area Network). Students must complete relevant prerequisite courses to qualify for enrollment into these open elective courses. Students willing to enroll into open elective courses of other departments must consult with the chairpersons and course instructors concerned.

5. Internship/Project Work **3 Credits**

Choose One Course from
BUS 498, BUS 499

Requirements for the Degree of Bachelor of Science in Communication and Information Technology (CIT)

Minimum Requirements 129+7=136 Credits

1. General Requirements — **35 Credits**

a. **Compulsory General Education Courses** — **29 Credits**
BUS 101, CSE 101, CSE 102, ENG 100, ENG 101
ENG 102, GEN 201, MAT 100, STA 101

b. **Optional General Education Courses** — **6 Credits**

Choose Two Courses from
GEN 202, GEN 203, GEN 205, GEN 206, GEN 208, GEN 210

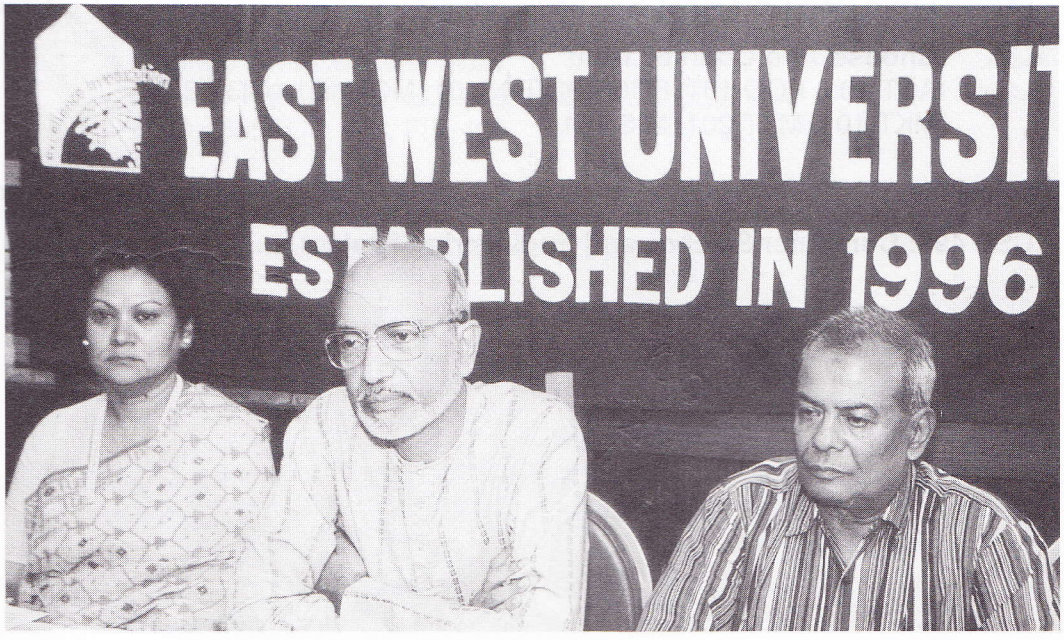
2. Core Requirements — **83 Credits**
CIT 101, CIT 102, CIT 201, CIT 202, CIT 203, CIT 204, CIT 301
CIT 302, CIT 303, CIT 402, CIT 403, CIT 404, CIT 405, CIT 406
CIT 407, CIT 408, CSE 105, CSE 107, CSE 109, CSE 205
CSE 207, CSE 275, CSE 301, CSE 411, CSE 415, MIS 407

3. Elective Courses — **15 Credits**

Choose Five Courses from
CIT 401, CIT 409, CSE 410, CSE 470, CSE 480, ECO 101, ECO 102
ITB 301, MGT 101, MGT 251, MGT 448, MKT 101, MIS 409, STA 327

4. Internship/ Project Work — **3 Credits**

Choose One Course from
CIT 498, CIT 499



Vice Chancellor (middle) addressing a press conference

Requirements for the Bachelor of Science (B.Sc.) Degree in Computer Science and Engineering (CSE)

Minimum Requirements 138+18=156 Credits

1. General Requirements — **24 Credits**

Compulsory General Education Courses — **15 Credits**
BUS 101, ENG 100, ENG 101, ENG 102, GEN 201

Optional General Education Courses — **9 Credits**
Choose Three Courses from
GEN 202, GEN 203, GEN 204, GEN 205, GEN 206, GEN 207, GEN 208
GEN 209, GEN 210

2. Core Requirements — **111 Credits**
CSE 105, CSE 107, CSE 109, CSE 205, CSE 207, CSE 225, CSE 245
CSE 251, CSE 255, CSE 275, CSE 301, CSE 350, CSC 360, CSE 370
CSE 375, CSE 380, CSE 405, CSE 410, CSE 411, CSE 412, CSE 430
CSE 442, CSE 498, MAT 100, MAT 101, MAT 102, MAT 201, MAT 301
STA 101, PHY 101, PHY 102

3. Elective Courses — **15 Credits**

(a) From Computer Science and Engineering Courses: — **9 Credits**

Choose Three Courses from
CSE 401, CSE 409, CSE 413, CSE 415, CSE 420, CSE 422
CSE 432, CSE 434, CSE 436, CSE 438, CSE 444, CSE 452
CSE 470, CSE 474, CSE 476, CSE 478, CSE 480, CSE 482
CSE 484, CSE 490, CSE 492

(b) From Non Computer Science Courses — **6 Credits**

Choose Two Courses from
ACT 101, ECO 101, ECO 102, FIN 101, MGT 101, MGT 337
MKT 101, MKT 201, MIS 101

4. CSE Project — **6 Credits**

CSE 499: Computer Science and Engineering Project

Requirements for the Degree of Bachelor of Social Science (BSS) in Economics

Minimum Requirements 123+1=124 Credits

1. **General Requirements** — **34 Credits**

   Compulsory General Education Courses — **25 Credits**
   BUS 101, CSE 101, ENG 100, ENG 101, ENG 102, GEN 201
   MAT 110, STA 101

   Optional General Education Courses — **9 Credits**
   Choose Three Courses from
   CSE 102, GEN 202, GEN 203, GEN 204, GEN 205, GEN 206, GEN 207

2. **Core Requirements** — **60 Credits**
   ECO 101, ECO 102, ECO 200, ECO 214, ECO 260, ECO 301, ECO 302
   ECO 310, ECO 328, ECO 349, ECO 360, ECO 450, ECO 460, ECO 465
   ECO 475, ECO 480, ECO 490, MAT 201, MAT 311, STA 327

3. **Concentration Courses** — **15 Credits**

   (a) **Concentration in Business Economics**

   Choose Five Courses from
   ACT 101, FIN 425, FIN 465, ITB 301, MGT 101
   MGT 337, MKT 101, MKT 408

   (b) **Concentration in Advanced Economic Theory**

   Choose Five Courses from
   ECO 357, ECO 447, ECO 449, ECO 467, ECO 474
   ECO 477, ECO 487, MAT 407, MAT 470, STA 427

   (C) **Concentration in Trade and Development**

   Choose Five Courses from
   ECO 304, ECO 329, ECO 353, ECO 406, ECO 414
   ECO 433, ECO 443, FIN 465

4. **Open Electives** — **15 Credits**

   Choose Five Courses from 300 or 400 Levels

ACT 101: Financial Accounting
Introduction, accounting concept and classified financial statement, Measuring and recording business transaction, Business income and adjusting entries, Completing the accounting cycle, According for merchandising operations, Accounting information systems, Internal control and cash. Accounting for receivables, Inventories, Plant assets, Natural Resources and Intangible assets and accounting principles.
Credits: 3; Prerequisite: BUS 101

ACT 201: Management Accounting II:
Introduction to management accounting fundamentals of cost volume analysis and product costing, management reporting and information and decision making, introduction to budgets and standards for planning, control and performance measurement.
Credits: 3; Prerequisite: ACT 101

ACT 311: Taxation
Examines tax entitles, concept of income, deduction of credits, recognition and non-recognition of gains and losses from disposition if property, distributions form and liquidation of the business entity, administration provisions of the tax law, and tax planning.
Credits: 3; Prerequisite: ACT 101

ACT 411: Intermediate Accounting-I
Accounting concepts, principles and theory with an emphasis on the special problems that arise in applying these concepts for external reporting purposes, emphasis on the use of accounting information as a basis for decisions for management, stockholders, creditors, and other users of financial statements and accounting reports.
Credits: 3; Prerequisite: ACT 201

ACT 421: Intermediate Accounting-II
Examines accounting concepts, principles and theory with an emphasis on the special problems that arise in applying concepts of financial accounting for external reporting purposes.
Credits: 3; Prerequisite: ACT 411

ACT 427: Auditing
Surveys the auditing converting issues common to external and internal auditing. Topics included: auditing theory, evidential matter, principles of internal control, sampling, testing and the application of computerized techniques.
Credits: 3; Prerequisite: ACT 421

ACT 430: Accounting Information System
Examines the fundamental of accounting systems design, including system analysis and design techniques, Surveys hardware and software considerations, analyzes accounting applications with fundamental areas of the firm and studies the control of computerized systems in a business environment.
Credits: 3; Prerequisite: ACT 201

ACT 441: Cost Accounting
Use of approaches of cost accounting to enable students to apply costing methods and techniques to assist with special emphasis on standard costs, process costing, joint-product and by-product costing, relevant cost, direct cost, cost-volume-profit relationship and responsibility accounting.
Credits: 3; Prerequisite: ACT 201

ACT 456: Accounting Theory
This course is a study of theoretical framework, elements of financial statements along with their reporting and disclosure with emphasis on recent trends and developments in the agenda and pronouncement of the standard setting bodies (e.g. FASB and IASC). Topics include structure of accounting, their approaches to the formulation of accounting theory, conceptual framework for financial accounting; development of accounting, revenues, expenses, gains, losses, income, assets, liabilities, statement of changes in financial position and their disclosure. Students conduct independent research on financial accounting and reporting issues.
Credits: 3; Prerequisite: ACT 421

ACT 478: Advanced Accounting
A study of detailed knowledge of accounting principles, concepts, techniques to explore more complex accounting problems along with preparing financial reports of organizations for the users explaining the international dimensions of financial accounting and compare different practices. Topics include financial reporting fundamentals, financial reporting and accounting concepts, segment reporting, interim financial reporting, consolidated financial statements with special problems and foreign currency translation.
Credits: 3; Prerequisite: ACT 421

BUS 101: Introduction to Business
This course covers the following topics: business and its importance and need, forms of business ownership, business environment, ethics, international business, fundamentals of management, human resources management, motivation, marketing, financial management and investment, and fundamentals of accounting.
Credits: 3; Prerequisite: ENG 099 or equivalent

BUS 231: Business Communication:
Study of communication as a tool of administration and management, practice in writing a wide variety of types and forms of communication, and inclusion of oral and visual with the written to provide and integrate approach.
Credits: 3; Prerequisite: ENG 102

BUS 361: Legal environment of Business:
An overview of the legal, social and ethical dimensions which influence business with particular attention to the role of law as a control factor of society in the business world .
Credits: 3; Prerequisite: None

BUS 498: Project Work
The coordinating instructor must assign the individual student for a specific topic. The student must submit a proposal at least a semester before he/she actually starts working on this project report.

Credits: 3; Prerequisite: All required courses. Students completing 105 credits may be allowed to enroll in this course with the permission of the chairperson and course instructor.

BUS 499: Internship
This working experience enables students to apply the principles and practices of business in the local setting. This will provide the students with the opportunity to get real life exposure in the contemporary business environment of Bangladesh.
Credits: 3; Prerequisite: All required courses. Students completing 105 credits with a minimum CGPA of 2.5 may be allowed to enroll into this course with the permission of the chairperson and course instructor.

CIT 101: Introduction to Communication
Introduces students to the information age and its significance in our personal and professional lives. Students learn about the process of communication, and explore modern theories relating to the development, functions, and effects of communication. Divided in three parts, the course includes a survey of interpersonal, intra-personal, small-group, verbal, non-verbal, and mass communication; and their audiences and effects from the perspectives of advertising, film, journalism, public relations and radio/television. The concluding part contains discussions on global media issues, concepts, ethics, freedom and controls, and computers/internet/information superhighway in our contemporary society.
Credits: 3; Prerequisite: ENG 102

CIT 102: Information Technology
This course introduces students to an understanding that information is an essential resource for academic excellence, competitiveness in business and industry, scientific progress and national development. After completing the course students are expected to realize that like any other resource, information must also be managed. High quality sources must be located and arrangements must be made for access to timely, accurate, appropriate, and cost-effective information which is not possible without the help of modern cutting edge technology. Students will be skilled in identifying information needs and in accessing, repackaging and presenting information in such a way that it can be utilized in support of the objective of the users.
Credits: 3; Prerequisite: ENG 100

CIT 201: Dynamics of Mass Communication
The course introduces students to an understanding of the forces that make modern mass communications work. It examines the rich history of the media of mass communication, their unique operating procedures, their basic economics and their locations on the information superhighway in the new millenium. Students also study media corollaries like public relations and advertising, and move towards developing issues and concepts that have become increasingly important to us.
Credits: 3; Prerequisite: CIT 101

CIT 202: Multimedia for Business
The course aims at creating foundation knowledge in Multimedia computing and Internet technology, and their applicability in the business environment. It introduces hand-on experience in the use of state-of-the-art techniques and professional tools for the creation of multimedia business and training applications. The course attempts to unveil the mystery of multimedia. The tools of information technology available for the production of multimedia systems are undergoing continual changes. The course provides an introduction to the tools

currently available to incorporate video, audio and other media components to allow students gain an understanding of the effective use of multimedia.
Credits: 3; Prerequisite: BUS 101, CIT 101, CIT 102

CIT 203: Internet Technology
The course mainly introduces the tools and techniques of interactive World Wide Web (Web) design and other applications of Internet like Email, Usenet, Telnet, and FTP. Students will be shown how to build Web pages using a range of simple tools which require very little programming knowledge. Students will gain an appreciation of the role of technology in such systems and the part that standards and monitoring bodies play in such systems. Microsoft's FrontPage98 tool suite will be used for practical purposes. Skills in and an understanding of Internet Explorer 4 and Netscape 4 will be a by-product of this course.
Credits: 3; Prerequisite: CIT 202

CIT 204: Communication and Society in the New Millennium
Students review the process of communication and understand how it affects changes in our contemporary society. The course particularly emphasizes the electronic flow of information around the world, and how the computer has revolutionized modern information dissemination system. Complex issues raised by the Internet, online services, bulletin board, e-mail, chat lines and other such channels will be discussed in an attempt to present a fast changing view of the developed as well as developing societies.
Credits: 3; Prerequisite: CIT 201, CIT 203

CIT 301: Network Technology
Networking is the concept of sharing resources and services. The course is designed to introduce students to the concept of network and network essentials covering areas like networking configurations, models in network computing, network topologies and architectures, network services. A brief idea on network standards on ISO-OSI Model and network programming applications on both Unix and NT network programming applications will be given. Discussion on the principles and techniques of network security and management will include the typical network security applications, such as Pretty Good Privacy (PGP), Simple Network Modeling Protocol v2 (SNMP v2) and Privacy-Enhanced Mail (PEM).
Credits: 3; Prerequisite: CIT 102, CSE 109

CIT 302: Wireless and Personal Communications Systems
This course will help students with overview of wireless and personal communications systems, the market and technology trends and evolution. At the same time, the course will cover basic principles of different kinds of modulation techniques, second and higher generation sellular radio systems; cordless telephone system standards; multiple access system; wireless LAN; medium access control protocols for wireless systems and security and privacy issues for wireless and personal communications systems.
Credits: 3; Prerequisite: CIT 301

CIT 303: Communication Skills for the Mass Media
Students learn the fundamentals of writing for different media of mass communication, and acquire the basic techniques of news gathering and reporting. The principles of editing and rewriting are emphasized with laboratory work in reporting and news writing.
Credits: 3; Prerequisite: CIT 204

CIT 401: Controls of Information
The course attempts to review various rules, regulations, and processes that perennially control the flow of information. The underlying principles of such controls are explained particularly highlighting how issues have become even more complex in the computer-assisted information age. Besides lectures and discussions, students are encouraged to make presentations based on their own research.
Credits: 3; Prerequisite: CIT 303

CIT 402: Telecommunications Management
The course explains the principles of telecommunications network architecture and standards; debate the current status and future directions of telecommunications networks; evaluate the critical planning issues and the options created by new technology; develop a telecommunications network plan and critically analyse the need for culture and social considerations in telecommunications planning.
Credits: 3; Prerequisite: CIT 302

CIT 403: Local Area Network
The students will be studying the principles of local area networks, configuration of computer networks, the determination of local area network requirements, standards and procedures, data transmission, transmission media and other local area network techniques. After completion students will have a firm idea about LAN components and different topologies and configurations of LAN. Moreover, the course will stress on understanding about the proper implementation of LAN depending on the expectations of the network system.
Credits: 3; Prerequisite: CIT 301, CSE 275

CIT 404: IT Strategic Planning
This course aims at providing students with an understanding of IT strategic planning in today's global business environment. As most businesses compete in a global environment; a sound IT Strategy is essential to facilitate this. The course will cover key areas of IT strategic planning, background issues in strategic planning, the planning life cycle, the components and management of the strategic plan.
Credits: 3; Prerequisite: CIT 302

CIT 405: Web Page Development and Management
The course will address on how to develop World Wide Web (WWW) and navigate the web. An overview of Hypermedia, Information retrieval, SGML and HTML, elements of web pages, Manipulating text, Use of graphics etc. The structure and genealogy of the Internet will be addressed and a brief idea about Web Page hosting and promotional tools of WWW, Legal and ethical considerations of web-based applications, data security, writing applications for the client end, Communication with server scripts and databases for processing, Issues in platform independent client applications will also be given.
Credits: 3; Prerequisite: CIT 203

CIT 406: Electronic Commerce
The course aims at providing students with an understanding of on-line business in the context of today's global business environment. As most businesses compete in a global environment today, a sound business strategy for on-line business is essential to facilitate this. The course will cover key areas of on-line business, including business to business, business to consumer, internet commerce, EDI, standards, regulation and policy; principles and practices of on-line business security and social and economic issues.
Credits: 3; Prerequisite: CIT 405

CIT 407: Laws and Ethics in Communication
Divided in two parts, the course introduces the students to the laws affecting the mass media and encourages them to explore problems and issues in legal regulation of media content, ownership, access and accountability. The second part of the course is concerned with the understanding of ethical principles related to the modern media of mass communication. Issues such as truth, honesty, fairness, objectivity and bias, privacy, censorship and offensive media content are discussed with particular attention to the problems posed by the development of personal computer communication.
Credits: 3; Prerequisite: Senior Standing

CIT 408: Senior Seminar in CIT
Moderated by a team of senior teachers, the course will deal with basic issues, questions, theories and themes central to the multi-disciplinary approach to Communication and Information Technology. The course project will consist of a critique of selected CIT literature and permit students to integrate and synthesize the knowledge they have gained through this multi-disciplinary approach.
Credits: 3; Prerequisite: Senior Standing

CIT 409: Transmission Systems in Telecommunications
This course will provide the students with different kinds of telecommunication transmission systems like: Cable, Microwave, Optical Fiber, Satellite etc. Their basic principles, Requirement, usage will be discussed. Data transmission, multimedia transmission using different kinds of media will be analyzed. Singal processing for digital transmission, Multiplexing and Demultiplexing etc. will be introduced. Capacity of different kinds of Transmission systems will be focused in conjunction with building up information superhighway.
Credits: 3; Prerequisite: CIT 302

CIT 498: Project Work
The coordinating instructor must assign the individual student a specific topic. The student must submit a proposal at least the semester before he/she actually starts working on this project report.
Credits: 3; Prerequisite: All required courses.

CIT 499: Internship
This working experience enables students to apply the principles and practices of communication and information technology in the local setting. This will provide the students with the opportunity to get real life exposure.
Credits: 3; Prerequisite: All required courses. Students completing 105 credits with a mimimum CGPA of 2.5 may be allowed to enroll in this course with the permission of the Chairperson.

CSE 101: Introduction to Computers I [For non CSE students]
An introduction to the skills, concepts, and capabilities necessary to effectively use information technology, i.e., computers and communication. The skills include standard applications to email, word processing, and Web search. The concepts include digital representation of information, computer basics and introductory programming. Capabilities include managing complexity, debugging, and dealing unexpected consequences. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: None

CSE 102: Introduction to Computers II [For non CSE students]
Fundamental of Information Systems, Operating Systems, Programming Languages, Database Systems, Computer Networks, Computer Graphics, HTML/DHTML, Web Design, E-Commerce, Multimedia and other recent development in computing fields. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: CSE 101

CSE 105: Structured Programming
Introduction to digital Computers. Programming algorithms and flowchart construction. Information representation in digital computers, binary number system, binary arithmetic, binary codes. Writing, debugging and running structured programs using C language: data types, variables, constants, operators and expressions, assignments and type conversion in assignments, control flow, functions and program structure, pointers and arrays, strings, advanced data types, pointer to functions, user defined data types, advanced operators, records, input/output, dynamic variables and linked lists, recursion, and graphics programming. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: none.

CSE 107: Object Oriental Programming
Concepts of object oriented programming: objects, polymorphism, inheritance. Object oriented programming with C++ language: classes, parameterized constructors, friend functions, multiple inheritance, passing object to functions, arrays of objects, pointer to objects, function and operator overloading, overloading constructor functions, references, inheritance, virtual functions and polymorphism, I/O class library, streams, creating insertors and extractors, formatting I/O, file I/O, dynamic allocation using new and delete, static class members, complex and BCD classes, the message based philosophy. Using C++'s memory model, using VROOMM overlay technology, using command line compiler, compiling multiple file programs. Standard Template Library. Exception handling. Introduction to Java language. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite : CSE 105.

CSE 109: Electrical Circuits
Fundamental electric concepts and measuring units. D. C. voltage, current, resistance and power. Laws of electrical circuits and methods of network analysis. Principles of D. C, measuring apparatus. Laws of magnetic fields and methods of solving simple magnetic circuits. Alternating current – instantaneous and r.m.s current, voltage and power, average power for various combinations of R, L and C circuits, Phasor representation of sinusoidal quantities. Single-phase AC circuit analysis. Introduction to Polyphase circuit analysis. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: None.

CSE 205: Discrete Mathematics
Mathematical logic: propositional calculus, predicate calculus. Permutations, Combinations and Discrete Probability. Set theory: sets, relations, partial ordered sets, functions. Graph theory: graphs, paths, trees. Recurrence Relations and Recursive Algorithms. Algebraic structures: binary operations, semigroups, groups, permutation groups, rings and fields, lattices.
Credits: 3; Prerequisite: MAT 100.

CSE 207: Data Structure
Data types, abstract data types and data structures. Efficiency of algorithms. Sequential and linked implementation of lists. Linked list and applications. Stacks and Queue and applications. Tree representations and traversals, threaded trees, heaps, binary search tree, AVL tree, B+ tree, digital search tree, Tries. Searching, priority queues, hashing. Graphs, DFS and BFS, shortest path and minimum spanning tree. Garbage collection. Dynamic storage allocation. Internal and external sorting. The course includes lab works based on theory taught.
Credits :3+1=4; Prerequisite :CSE 105, CSE 107.

CSE 225: Numerical Methods
Solution techniques for linear, simultaneous algebraic equations: iterative methods of solution of nonlinear equations, interpolation of curve fitting, numeric integration by interpolative and quadrature methods; numerical solution of ordinary differential equations including initial value eigenvalue problem and boundary value problem, matrices. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: CSE 105, CSE 107.

CSE 245: Algorithms
Techniques for analysis of algorithms. Methods for design of efficient algorithms: divide and conquer, greedy method, dynamic programming, backtracking, branch and bound. Searching and sorting algorithms. Graph algorithms. String manipulation algorithms. Arithmetic algorithms. Number theoretic algorithms. Lower bound theory, NP-hard and NP-complete problems. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: CSE 105, CSE 107, CSE 207.

CSE 251: Electronic Devices and Circuits
Semiconductors, Junction diode characteristics, Bipolar transistor characteristics, Small-signal low frequency h-parameter model, hybrid pie model. Amplifiers, Darlington pairs. Introduction to oscillators, differential amplifiers. Linear application of op-amp, gain, input and output impedance, offset null adjustment, frequency response and noise. Introduction to JFET, MOSFET, NMOS, and CMOS – biasing and application in switching circuits. SCR, Triac, Diac, UJT: characteristics and applications. Introduction to rectifiers, active filters, regulated power supply, stabilizer and UPS. Basic ideas about IC fabrication technique. The course includes lab works based on theory taught.
Credits : 3+1=4; Prerequisite: CSE 109.

CSE 255: Digital Logic Design
Review of Binary number system, Boolean algebra, Simplification of Boolean Functions, Logic gates, Combinational Logic, Arithmetic and Comparator Circuits, Encoders and Decoders, Multiplexers and Demultiplexers, Flip-Flops, Sequential Logic, Registers, Counters, Programmable Logic devices. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: None.

CSE 275: Operating Systems
Principles of operating systems. Process management, memory management, auxiliary storage management and resource allocation. Operating system design and construction techniques. Concurrent programming, operating system kernels, correctness, deadlock,

protection, transaction processing, design methodologies, comparative structure of different kinds of operating systems and other topics.
Credits : 3+1=4; Prerequisite : CSE 105, CSE 107, CSE 207.

CSE 301: Database Systems
Fundamental concepts. System organization and implementation of database systems. Relational, hierarchical and network data models. File organizations and data structures. Query languages, query optimization. Database design. Concurrency control. Security issues evolving distributed database systems. The course includes lab works based on theory taught.
Credits : 3+1=4; Prerequisite : CSE 105, CSE 107.

CSE 350: Data Communications
Principles involved in data communication. Modulation techniques, Pulse Modulation, Pulse amplitude modulation, pulse width modulation, pulse position modulation, pulse code modulation, pulse position modulation, quantization, Delta modulation, TDM, FDM, OOK, FSK, PSK, QPSK. Representation of noises, probability of error for pulse system, concept of channel coding and capacity, asynchronous and synchronous communications. Multiplexers, concentrators and buffers, communication medium, fiber optics.
Credits : 3; Prerequisite : MAT 101, MAT 102, CSE 109, CSE 251.

CSE 360: Computer Architecture
Study of architectural concepts in computer systems. Computer arithmetic and arithmetic logic unit design. Memories, memory hierarchies and dynamic address translation. CPU characteristics, performance factors. Control unit design: hardware and micro-program, microprogramming. Interrupt mechanism. DMA. Pipelining.
Credits : 3; Prerequisite : CSE 255.

CSE 370: Electrical Measurement and Instrumentation
Measurement of resistance, inductance and capacitance. Measurement of conductivity of bulk materials. Cable faults and localization of cable faults. Magnetic measurement, ballistic galvanometers, flux meters. Measurement and separation of iron losses. Illumination measurement. High voltage measurements. Instrumentation amplifiers. Transducers: measurement of strain, pressure, temperature and flow. Measuring instruments: classification. Ammeters, voltmeters and multimeters – extension of instrument ranges. Current and voltage transformers. Measurement of power and energy: wattmeters, watt-hour meters and maximum demand indicators. Measurement of speed, frequency and phase difference. Electronic measuring instruments: Oscilloscope, Digital meters – DMM, VTVM, Q meters. Statistical methods in measurements. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: CSE 109, CSE 251.

CSE 375: Electrical Technology
Single-phase transformer – equivalent circuits. Three-phase transformers. D. C. generator and motor: operation and characteristics. 3-phase induction motors: types, operations, equivalent circuit, characteristics, starting. Introduction to 3-phase alternators and synchronous motors. Fractional horsepower motors. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: CSE 109.

CSE 380: Digital Electronics
Diode logic gates, transistor switches, transistor gates, MOS gates, Logic Families: TTL, ECL, IIL, and CMOS logic with operational details. Propagation delay, product and noise immunity. Open collector and High impedance gates. Electronic circuits for Flip-Flops, counters and register. Memory system, PLAs and PLDs. A/D and D/A converters with applications. S/H circuits. LED. LCD and optically coupled oscillators. Non-linear applications of OP-AMPs. Analog switches. Linear wave shaping: diode wave shaping techniques, clipping and clamping circuits. Comparator circuits, switching circuits. Pulse transformers, pulse transmission. Pulse generator – monostable, bistable and astable multivibrators. Schmitt trigger. Blocking oscillators and time-base circuits. Timing circuits. Simple voltage sweeps, linear current sweeps. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: CSE 109, CSE 251, CSE 255.

CSE 401: Information System Analysis and Design
Application Development Policy and Strategies: Planning of Information System, Policy in Information System Development, Strategies for achieving Information System goals. Application System Development Life Cycle: Phases in Application System Development, interrelationship among each phase. Feasibility assessment: problems and needs in Information System Development, preliminary application requirement determination, economic, technical operational and schedule feasibility. Information Requirements Determination: Strategies for obtaining information requirements, techniques for information requirements determination, methods for providing assurance that requirements are correct and complete. Structured System Analysis: Steps in Structured System Analysis, Activity Diagrams and related documentation, data dictionary, problem analysis, structured walk through. System Design Methodology: CheckList Methodology, Process-Oriented Methodology, Application Generator, Structured Design. Program Development and Testing: Structured Programming, Method for Testing.
Credits: 3; Prerequisite: CSE 105, CSE 107, CSE 275, CSE 301.

CSE 405: Computer Networks
Computer network architectures, protocol layers. Transmission media, encoding systems, error detection, multiplexing, switching. Data link, multiple access channel protocols. Network security, privacy. Applications including network management, electronic mail, virtual terminals, URL, HTTP, Multimedia, distributed operating systems. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite : CSE 207, CSE 245, CSE 350.

CSE 409: Systems Programming
Differences and similarities in machine organization, central processors. Fundamentals of machine language and addressing. Assembly language programming. Assembler: general design procedure, table processing. Macro language and macroprocessor. Loaders: design of absolute loader and direct link loader. Linkers. Translators.
Credits : 3; Prerequisite : CSE 105, CSE 107.

CSE 410: Artificial Intelligence
Artificial intelligence techniques. Logic: propositional logic, first-order logic, resolution principle. Problem representation: state-space representation, problem-reduction representation. Production system: PS structure, recognition-action cycle, inference directions, blackboard systems, PS implementation. Frame representation: basic structure, inheritance of properties, slot extension, implementation. Relational data model: relational

database model, entity and relationship, generalization and aggregation. Search: blind and non-blind searches, depth-first search, breadth-first search, heuristic search, best-first search, optimal search, A search. Implementation complexity. Programming Languages for AI Research: Features of AI programming languages. Major AI programming languages – LISP and PROLOG.
Credits : 3; Prerequisite :CSE 105, CSE 107, CSE 207.

CSE 411: Software Engineering
Software: Its nature and qualities. Software Engineering Principles: Rigor and formality, separation of concerns, modularity, abstraction, Incrementally. The Software Process: Process models, planning, cost estimation and project control, software design. Modularization: structure, representation, interface and information hiding, design notations. Object-oriented Design: Object paradigm, introduction to a specific object-oriented design technique. Software Specification: Operational specification – semi-formal schemes, asynchronous systems – Petri nets, Descriptive specification – traditional scheme, ER model and logic, introduction to a formal scheme (Z). Software verification, software testing. Software tools and environments.
Credits : 3; Prerequisite : CSE 105, CSE 107, CSE 207, CSE 245, CSE 301.

CSE 412: Programming with JAVA
Java and Internet, Java foundation, Control flow, Abstract classes and packages, Exception Handling, Applets, Web based Java application, Multithreading, Network programming, Graphics, Human-Computer Interactio, Risk and liabilities of Computer based Systems, Future Developments. The course includes lab works based on theory taught.
Credits : 3+1=4; Prerequisite : CSE 105, CSE 107.

CSE 413: Automata Theory and Theory of Computations
Computational models including finite automata, regular expressions, context-free grammars, pushdown automata, Turing machines, and techniques for analyzing them. Languages described by these machines and their properties. Chomsky Hierarchy. Basic computability theory and Church-Turing Thesis. Undecidability, Post correspondence problem. Fundamentals of computational complexity theory. Intractable problem and NP-completeness. Some NP complete problems. Cook's theorem. Approximation algorithms.
Credits : 3; Prerequisite : CSE 207, CSE 245.

CSE 415: Software Development Project
Students will develop large application/database/Internet software(s) with proper documentation as assigned by teacher.
Credits: 3; Prerequisite: CSE 105, CSE 107, CSE 207, CSE 245, CSE 301.

CSE 420: Computer Graphics
Introduction to computer graphics. Graphics I/O devices and types. Graphic software design: Desired functions, Universal Graphic language, display files, Databases for pictorial applications. Graphics Techniques: Point-plotting techniques, Line drawing, Geometric transformations, Windowing and clipping, Raster graphics. Hardware for Computer Graphics: Typical small and large system graphic terminals, Plotters, Graphic Display Processors, Device Independent Graphics Systems. Graphics Software: Simple Graphics Package, Segmented Display Files, Geometric Models, Picture structure. Interactive Graphics: Input techniques, event handling, three-dimensional graphics, curves and surfaces, 3-D

transformation. Hidden Surface Problem: Back Face Removal, Hidden-Line removal. Curved Surfaces. The course includes lab works based on theory taught.
Credits : 3; Prerequisite : CSE 105, CSE 107, CSE 207, CSE 245.

CSE 422: Simulation and Modeling
Simulation methods, model building, random number generator, statistical analysis of results, validation and verification techniques. Digital simulation of continuous systems. Simulation and analytical methods for analysis of computer systems and practical problems in business and practice. Introduction to the development of simulation packages.
Credits: 3; Prerequisite: STA 101, CSE 105, CSE 107.

CSE 430: Compiler Design
Introduction to Compilers. Lexical analyzer, Regular expression, Non-deterministic finite automata and deterministic finite automata, Context free grammar, Ambiguous grammar, Parsing techniques, Syntax directed translation, type checking. Intermediate code, Symbol table, Data structure for symbol table, Run time storage administration, Error detection and recovery, code optimization, code generation. Use of tools - LEX and YACC. Design of a compiler for a subset of a programming language.
Credits : 3; Prerequisite : CSE 207, CSE 245.

CSE 432: Digital Signal Processing
Discrete time description of signals and systems. Fourier transform of discrete time signals, Discrete Fourier transform. Z-transform. Digital filter structure, Infinite Impulse Response Filter design techniques, Finite Impulse Response Filter design techniques, Finite precision effects, Inverse filtering.
Credits: 3; Prerequisite: MAT 102, MAT 301, CSE 109, CSE 205, CSE 251.

CSE 434: Digital Image Processing
Introduction, Digital Image Fundamentals, Image Transform, Image Enhancement, Image Restoration, Image Compression, Image Segmentation, Representation and Description, Recognition and Interpretation.
Credits: 3; Prerequisite: MAT 301, CSE 420.

CSE 436: Advanced Computer Architecture
Pipelined processor design, Cache memory, Memory system design, Concurrent processors, Vector processors and multiprocessors, Array processors, Parallelism in multiprocessors and Multicomputers, Compute-intensive processors and Multicomputers, Automatic Vectorization, Hypercube systems and Key application, Data flow computation.
Credits: 3; Prerequisite: CSE 275,CSE 355, CSE 360.

CSE 438: Digital Computer Design
Review of MSI logic design, Registers, Counters and Memory units. Register transfer logic, micro-operations, processor logic design, control logic design, micro-programmed control, pipeline and vector processing, computer arithmetic, microcomputer system design: case study.
Credits: 3; Prerequisite: CSE 355, CSE 360.

CSE 442: Microprocessors and Microcomputers
Introduction to different types of microprocessors, Architecture, Instruction Format, Instruction Sets, Opcode, Processor status and Flag registers, Addressing modes, Branching

and Looping, Interrupt structures, I/O operation, I/O interfacing, DMA. Programming in Microcomputers. Hardware and Software interfacing in Microcomputer System Design, I/O design and total system design. Microprocessor based system design: Hardware design, building, debugging, testing and linking program modules. Programming EPROM. Multiprocessor configurations: coprocessor configurations, numeric data processor, I/O processors. Advanced Microprogramming: Bit-Slice Microprocessor, Parallelism in Microprocessor. The course includes lab works based on theory thought.
Credits: 3+1=4; Prerequisite: CSE 109, CSE 251, CSE 355, CSE 380.

CSE 444: Fault Tolerant Computing:
Faults and their manifestation, issues, theory, and techniques of reliable systems design, testing, design for testability, self-checking and fail-safe circuits, coding techniques, system-level fault diagnosis, fault-tolerant communication, reliable software design, and evaluation criteria.
Credits : 3; Prerequisite :CSE 255, CSE 360.

CSE 452: Distributed Systems and Algorithms
Formal approaches to distributed computing problems. Topics vary, but typically include models of distributed computing, agreement problems, impossibility results, mutual exclusion protocols, concurrent reading while writing protocols, knowledge analysis of protocols, and distributed algorithms.
Credits : 3; Prerequisite : CSE 245, CSE 275.

CSE 470: Expert Systems
Basic principles of Expert Systems. Natural Language Processing, Medical diagnostics, Financial design, and Manufacturing planning.
Credits : 3; Prerequisite : CSE 410.

CSE 474: Pattern Recognition
Introduction to pattern recognition. General pattern recognition concepts. Statistical pattern recognition. Supervised learning using parametric and non-parametric approaches. Linear discriminant functions and the discrete and binary feature cases. Unsupervised learning and clustering. Syntactic Pattern Recognition: Syntactic recognition via parsing and other grammars, graphical approach to syntactic pattern recognition, learning via grammatical inference. Neural Pattern Recognition: Neural pattern associators and matrix approaches, unsupervised learning in neural pattern recognition.
Credits : 3; Prerequisite : CSE 410.

CSE 476: Neural Networks
Introduction to neural networks. Neuronal Dynamics: Activation and signals, activation models. Synaptic Dynamics: Unsupervised and supervised learning. Neural network architectures and equlibria.
Credits : 3; Prerequisite : CSE 410.

CSE 478: Stochastic Processes
Probability distribution and expectations, discontinuous probability distributions, continuous probability distributions. Stochastic process. Discrete time Markov chain and continuous time Markov chain. Birth-death process in queuing. Queuing Models.
Credits : 3; Prerequisite : STA 101.

CSE 480: Web Database Programming
Designing an Internet utilizing a range of different technologies. Simplifying the creation and updating web content. Expanding Intranet services by adding client-slide and server-side processing. Interfacing Internet to a database. Querying a database using Cold Fusion.
Credits : 3; Prerequisite : CSE 301, CSE 412.

CSE 482: Parallel Computation
Survey of parallel computing including the processing modes of pipelining, data parallelism, thread parallelism, and task parallelism; algorithmic implications of memory models; shared memory and message passing; hardware implementations; bandwidth and latency; synchronization, consistency, inter-processor communication; programming issues including implicit and explicit parallelism, locality, portability.
Credits : 3; Prerequisite : CSE 245.

CSE 484: Computational Geometry
Problems in computational geometry, worst case complexity of geometric algorithms; expected complexity of geometric algorithms and geometric probability, geometric intersection problems, nearest neighbor searching, point inclusion problems, distance between sets, polygon decomposition, the Voronoi diagram and other planner graph, updating and deleting from geometric structures.
Credits : 3; Prerequisite : CSE 207, CSE 245.

CSE 490: VLSI Design
Introduction to microelectronics and MOS technology, Basic electrical properties and circuit design process of MOS and CMOS circuits, Scaling of MOS circuits, Subsystem design process and layout. Computational elements: Design of an ALU subsystem, Adder, Multipliers, Memory, Registers, and aspects of system timing. Practical aspects of design tools and testability, CMOS design: behavioral description, structural description, physical description and design verification, Introduction to GaAs technology: Ultra-fast VLSI circuits and systems.
Credits: 3; Prerequisite: CSE 109, CSE 251, CSE 335, CSE 380.

CSE 492: Robotics
Robotic manipulation, direct kinematics: the arm equation, inverse kinematics: solving the are equation, workspace analysis and trajectory planning, differential motion and static manipulator dynamics, robot control, task planning.
Credits: 3; Prerequisite: None.

CSE 498: Social and Professional Issues in Computing
History of Computing, Social context of computing, Methods and tools of analysis, Professional and ethical responsibilities, Risks and liabilities of computer-based systems, Intellectual property, Privacy and civil liberties, Computer crime, Economic issues in computing, Philosophical frameworks.
Credits: 3; Prerequisite: None.

CSE 499: Computer Science Project:
Each student will be assigned a project under the supervision of a faculty member. Student must complete the project within two consecutive semesters.
Credits : 6.

ECO 101: Principles of Microeconomics
Introduction to Economic theory . Theory of price: Demand. Theory of price: Supply. Theory of supply: Market Structure & Theory of Distribution . Microeconomic policy in product & factor market.
Credits: 3; Prerequisite: MAT 110 , STA 101

ECO 102: Introduction to Macroeconomics
Macroeconomic is the policy oriented part of economics. Much of our analysis in this endeavor will attempt to reveal how macro- economic variable such national income, unemployment, inflation can be manipulated by government policies. Unlike Microeconomic, hypothesis and results differ substantially in macroeconomic models due to different schools of thought.
Credits: 3; Prerequisite: ECO 101

ECO 200: Agricultural Economics
Introduction of agriculture as an industry; economics of agricultural production, farm management, land economics, rural organization, agricultural credit and finance, agricultural law, agricultural marketing, agrarian reform, agricultural policy, agricultural prices, structure and scope of Bangladesh agricultural sector.
Credits: 3; Prerequisite: ECO 101

ECO 214: Public Sector Economics
The course examines a number of issues in public expenditure theory and taxation. Topics on the expenditure side include the economic rationale for government, provision of public goods, corrective policies to externalities, and cost-benefit analysis. On the taxation side, topics include the question of tax incidence, efficiency effects of taxes and optimal taxation.
Credits: 3; Prerequisite: ECO 101

ECO 260: Environmental & Natural Resource Economics
This course aims at exploring and examining human relationship with environment with special emphasis on Bangladesh. The course surveys the economic, cultural, social, and political aspects of human population dynamics, food resources and hunger, mineral and energy resources, air, land and water pollution, wilderness and wildlife resources, urban and rural land usage, and toxic waste management from environmental and conservation viewpoints. The course makes recommendations and probes possible solutions to contemporary resource and environmental problems of Bangladesh. Current issues important to the environment are stressed in class projects.
Credits: 3; Prerequisite: ECO 101

ECO 301: Intermediate Microeconomic Theory
Theory of choice and its application to consumer and producer behavior, theory of production and cost, output and input markets and their structure, equilibrium and efficiency, introduction to general equilibrium analysis. Special emphasis on perfect & imperfect competetion.
Credits: 3; Prerequisite: ECO 101

ECO 302: Intermediate Macroeconomic Theory
This course introduces the mainstream models in modern macroeconomics-classical models, Keynesian model of consumption and investment analysis; IS-LM models of closed and open economics dealing with unemployment, inflation and interest rates. Analysis of monetary and fiscal policies and their impact on national income, output employment & growth.
Credits: 3; Prerequisite: ECO 102

ECO 304: Economics of Health:
Application of economic concepts and analytical tools to the health service system. Review of empirical studies of demand and supply of health services, behavior of providers in selected developing and developed countries, and relationship of health services to population health levels. Discussion of policy issues relating to financing and resource allocation to the health sector.
Credits: 3; Prerequisite: ECO 101

ECO 310: Money and Banking:
Understanding money, macroeconomic role of money, the role of the banking system in the functioning of monetary policy. Principles of managing commercial banks, efficient loan portfolio management, the history and functions of the central banks.
Credits: 3; Prerequisite: ECO 102, ECO 302

ECO 328: International Trade and Finance.
Review and analysis of international trade models, theories and tools of analysis-classical, neo-classical and alternative theories; international monetary system, its role, importance, structure and future performance; foreign exchange market, balance of payments adjustments.
Credits: 3; Prerequisite: ECO 301 and ECO 302

ECO 329: Contemporary Issues in International Economics:
In depth analysis of selected current issues and policy problems of the international economy including (but not restricted to) the following: new approaches to the theory of international trade, reform of the international monetary systems, role of the General Agreement on Tariffs and Trade and the United Nations Conference on Trade and Development. Problems of stabilization of international commodity markets, and balance of payments problems of Bangladesh and other selected countries.
Credits: 3; Prerequisite: ECO 328 or equivalent

ECO 349: Economics of Development:
Core topics are the nature of underdevelopment, growth theories, dualism, center periphery models & poverty of LDC countries. Process of cumulative causation, population and development, development and environment, foreign assistance, debt, trade are also widely discussed.
Credits: 3; Prerequisite: ECO 101 and ECO 102

ECO 353: Economics of Development in South Asia:
Background and analysis of plans and progress toward economic development in South Asia, their trends in development, economic characteristics of the area and their significance for economic development. Case studies are included on respective countries of South Asia to examine their economic trends & prospects.
Credits: 3; Prerequisite: ECO 101 and ECO 102

ECO 357: Mathematical Economics:
Economic models and equilibrium analysis, linear models and matrix algebra, differentiation and comparative statics, comparative statics of general function models, optimization and equilibrium, exponential and logarithmic functions, multi variable optimization, optimization with equality constraints, economic dynamics and integral calculus.
Credits: 3; Prerequisite: MAT 110, MAT 311

ECO 360: Socio-Economic Profiles of Bangladesh.
It surveys the socioeconomic features and studies of the macroeconomic performance of the economy of Bangladesh within the context of the sociopolitical reality; sectoral development and analysis of the sectors in a general equilibrium framework; foreign trade and foreign aid; financial institutions and monetary management, fiscal policy, human resource development and the long term performance of Bangladesh economy.
Credits: 3; Prerequisite: ECO 101 and ECO 102

ECO 406: International Economic Theory
This course offers advanced treatment of trade models covered in ECO 328 as well as incorporates new developments in international trade theory. Topics include neo-classical trade theory, industrial- organization based trade models, protection theory, regional integration and economic growth. Special attention on export promotion & import substitution policies of the devoloping economics.
Credits: 3; Prerequisite: ECO 301, ECO 302

ECO 414: Trade Policy Analysis:
Applies the theory of international economics to the problems of policy design for export promotion, import substitution, exchange rate choice and management, foreign indebtedness, capital flow and balance of payments management.
Credits: 3; Prerequisite: ECO 328

ECO 433: Gender & Development:
This course examines gender discrimination & gender equality as it relates to economic development. Topics include: success and failures of NCO activities that directly address women's participation in development, womanization of poverty in under developed countries.
Credits: 3; Prerequisite: ECO 349

ECO 443: Social Mobilization, Rural Banking and Community Organization:
This is aimed at analysing the role of grass root organizations and NGO's in development. Their achievements in activities like micro-credit, education and awareness building is discussed. Field trips are an integral part of this course.
Credits: 3; Prerequisite: ECO 349

ECO 447: Applied Economics:
This course analyses some selected issues in regulation and government intervention and their impacts. Advanced topics of macro & micro economics are included.
Credits: 3; Prerequisite: ECO 301

ECO 449: Economics of information:
Moral hazard, adverse selection in game theoretic models; Individual and social choices under incomplete and imperfect information.
Credits: 3; Prerequisite: ECO 467

ECO 450: Labor Economics:
This course surveys a number of topics in labor economics, including the facts underlying the rising labor participation of women, the effects of legislation such as minimum wages and overtime regulation on wages and employment, the factors that determine wage rates paid to different individuals, and in particular the degree to which observed patterns of wages

conform to the predictions of the simple competitive model versus other models of wage determination; the economics of education, discrimination in the labor market, and other selected topics.
Credits: 3; Prerequisite: ECO 301

ECO 460: Managerial Economics:
Scope and nature of managerial optimization, optimization techniques, risk analysis, estimation techniques, demand theory, demand estimation, demand forecasting, production theory and estimation, linear programming, market structure and pricing practice, long run investment decisions, capital budgeting, cost benefit analysis, public sector management.
Credits: 3; Prerequisite: ECO 301

ECO 465: Basic Econometrics:
Main focus is on OLS estimate including: two-variable regression, functional form, multiple regression, rnulticollinearity, heterosecedasticity and autocorrelation, specification errors, dummy variables, lagged variables, identification and systems estimation.
Credits: 3; Prerequisite: STA 327

ECO 467: Advanced Microeconomic Theory:
Advanced treatment of microeconomic concepts. Traditional concepts of theories about production and consumer choice will be discussed with mathematical rigor and special emphasis will be given to market structure, strategic behavior and game theory.
Credits: 3; Prerequisite: ECO 301 and ECO 357

ECO 474: Mathematical Economics II:
Dynamic analysis and its application in economic models : Harrod model, Domar model, Samuelson's multiplier accelerator interaction model. Dynamic Optimization: nature of dynamic optimization. Calculus of variation : Fundamental problem of the calculus of variations-Euler Equation, some special cases & applications of second order conditions, infinite planning horizon, constrained optimization problems, optimal control theory : The mazimum principle, infinite horizon problem, optimal control with constraints
Credits: 3; Prerequisite: MAT 31 1, ECO 301 and ECO 302

ECO 475: History of Economic Thought:
Birth of political economy, laissez faire revolution of Adam Smith, Ricardo to Mill, socialist thought and Marx, neoclassical synthesis ; theory of general equilibrium, welfare economics, Keynesian revolution & Marshall's contribution economic discipline.
Credits: 3; Prerequisite: ECO 101 or ECO 102

ECO 477: Advanced Macroeconomic Theory:
A review of macroeconomic issues, policies and tools. Different schools of macroeconomic thought, long run economic growth, neoclassical and new growth theories. Short run economic fluctuation, modern theories of business cycle, inflation and unemployment. Sectoral analysis, consumption and investment, open economy macroeconomics, macroeconomic issues and problems stemming from Monetarist Counter revolution & Modiglianis life cycle hypothesis.
Credits: 3; Prerequisite: ECO 302, ECO 357

ECO 480: Urban Economics:
Aspects of urban management, location and growth of cities ; system of cities & urban hierarchy, economics of urban management ; management of urban environment ; urban waste management. The structure of the urban government, its fiscal base and linkages with the external sectors : policy issues such as - determination and collection of local taxes, urban enterprise zones, urban land and housing policies, anti-poverty policies and social cost & benefit of externalities.
Credits: 3; Prerequisite: ECO 214

ECO 487: Econometric Methods:
K-variable linear model, OLS Estimators, inference in the OLS model, estimator subject to linear restrictions, dummy variables, multicollinearity, specification error, GLS estimator, heteroskedasticity, autocorrelation maximum likelihood estimators.
Credits: 3; Prerequisite: STA 42 7, ECO 465

ECO 490: Industrial Organization:
The course revolves around organizational issues such as the structure of markets, theories of ownership, incentives, contracts, coordination using prices, quantities and direction, moral hazard and its organizational consequences, risk sharing and incentive contracts, as well as other property right topics like compensation and motivation within the firm. Additional emphasis will be given on cournot duopoly bertrand model & game theory.
Credits: 3; Prerequisite: ECO 301

ENG 099: Remedial English
This is a Remedial English Program intended for students having difficulties in coping with English as a medium of instruction. The course incorporates components of the basic language skills: Listening, Speaking, Reading and Writing.
Credit: 0; Prerequisite: None

ENG 100: Spoken English
This course is mainly based on speaking. Some listening activities will also be included to stimulate speaking activities. Daily formulaic expression, free conversation and strategies to overcome communicative difficulties, debate, public speaking, formal and informal speaking, questioning techniques, politeness issues, use of social English and euphemistic expressions are the main components.
Credits: 3; Prerequisite: None

ENG 101: Basic English
The course incorporates the following topics: Sentence and the basic components of a sentence, phrases and clauses, Articles, Gerund, Infinitives, Participles, Tenses, Preposition, common errors and how to avoid them, word formation, writing a topic sentence, generating a paragraph, Techniques of paragraph development and reading comprehension with emphasis on scanning skimming, guessing word meaning, understanding long sentences, summarizing etc .
Credits: 3; Prerequisite: ENG 099

ENG 102: Composition and communication skills
The course focuses on generating ideas, drafting, planning, revising, editing and writing further drafts. It covers the following topics: Report writing, Formal letter writing, Summary

writing, Generating an essay and Preparing an assignment or a term paper with bibliography, footnotes and appendix.
Credits: 3; Prerequisite: ENG 101

ENG 145: Introduction to Linguistics
The aim of this course is to familiarize students with some basic concepts of Linguistics. The course components are aspects of human language, phonetics & phonology, morphology, syntax, semantics, language & society, language change, brain & language etc.
Credits: 3; Prerequisite: None

ENG 151: Advanced Grammar
The course aims at pointing out differences between the concepts of traditional grammar and modern grammar. It incorporates PS grammar, TG and functional grammar, and covers morphology, problems in defining a word and its class, semantic aspects of modalities and meaning of grammatical categories.
Credits: 3; Prerequisite: ENG 101

ENG 154: English Phonetics and Phonology
The aim of this course is to prepare students to speak English with on acceptable pronunciation and intonation. It includes the description of English consonant and vowel sounds, Phonemic Transcription, Stress Patterns and different functions of intonation.
Credits: 3; Prerequisite: ENG 145

ENG 155: Improving Reading and Writing Skills
This course aims at providing extensive practice in reading and writing skills. It is felt that students need help with extensive, intensive, close and critical reading and with writing coherent and cohesive essays and assignments. The reading component of the course will focus on such aspects as guessing of meaning from context, inferential skills, and interpretative skills, and skills for critical evaluation. The writing part will focus on free writing, organizational skills- using linkers, discourse markers, pronoun referencing, subject-verb agreement, drafting, editing and improving drafts.
Credits: 3; Prerequisite: ENG 102

ENG 190: Introduction to Literature
This course introduces students to different genres/forms of literature, and their different aspects. It will include selections from most of the genres of literature: Prescribed Texts : **Poems**: Andrew Marvell: "To His Coy Mistress"; John Milton: "On His Blindness"; P.B. Shelly: "Ozymandias"; Robert Browning: "Meeting at Night"; Robert Frost: "Stopping by Woods on a Snowy Evening"; **Non-Fiction Prose**: Desmond Morris: Altruistic Behaviour; George Orwell: Politics and the English Language; Short Fiction: The Ant and the Grasshopper; The Invisible Japanese Gentleman; **Novel:** R.K. Narayan: The Guide; **Drama**: J. M. Synge: The Riders to the Sea.
Credits: 3; Prerequisite: None

ENG 195: Rhetoric and Prosody
The course deals with the technicalities of literature. It includes literary terms, figures of speech, rhythm, and metrical patterns and stanza forms among others.
Credits: 3; Prerequisite: None

ENG 204: Concept of ELT
This course introduces students to the nature and scope of English Language Teaching. It covers the theoretical inputs ELT received from Linguistics, Sociology, Psychology and Education for pedagogic and other principles. The course discusses in some detail how ELT derives ideas from Linguistics for defining its content, and from Sociology, Psychology and Education' for deciding about the pedagogic approaches. It outlines the areas ELT covers and discusses the notion of Communicative Competence and, the shifts from 'form' to meaning and skills, and from usage to use in modern language teaching.
Credits: 3; Prerequisite: ENG 145, ENG 207 & ENG 208

ENG 205: History of the English Language
The purpose of this course is to introduce students to the developments in English language. It includes salient features of Old, Middle and Modern English. It also incorporates a comparison between British and American English, as well as a comparison among some non-native varieties of English such as Indian and African varieties.
Credits: 3; Prerequisite: ENG 145

ENG 206: Pragmatics & Discourse Analysis
This course introduces students to speech act theory, conversational maxims, relevance and implicature, communicative events, modality, cohesion, coherence, frames, presupposition and the pragmatics of politeness, topic change, turn taking, interruptions, conversation structure, clarification, repair, face saving and solidarity. It will also focus on spoken and written discourse analysis, contrastive pragmatics, anthropological perspective and cross-cultural communication. By the end of the course it is expected that students will be able to critically analyze spoken interaction and to evaluate written text with particular reference to context, cohesive ties, topic framework, illocution and inference.
Credits: 3; Pre-requisite: ENG 145 + ENG 154

ENG 207: Psycholinguistics
This course emphasizes on the psychological aspects of language learning. It incorporates Child Language Acquisition, Sound System, Phonology, Syntax, Semantics, Interlanguage Theory, Universal Grammar Theory and Cognitive Theory.
Credits: 3; Prerequisite: ENG 145

ENG 208: Sociolinguistics
The aim of this course is to familiarize students with various aspects of Sociolinguistics. The course includes language varieties and standardization, regional and social dialects, geographical distribution and characteristics of pidgins and creoles, bilingualism, code switching/mixing and sociocultural aspects of multi-lingualism.
Credits: 3; Prerequisite: ENG 145

ENG 210: Old and Middle English in Translation
This course contains epics and poetical pieces written in old and Middle English available in modern English translation. Prescribed Texts : Beowulf; Piers Plowman; Adrian and Bardus; Ceix and Alcelone; Chaucer: Prologue to the Canterbury Tales.
Credits: 3; Prerequisite: ENG 190 + 6 other literature courses

ENG 212: Classics in Translation
The aim of this course is to familiarize students with the ancient classics in the form of Greek and Roman plays and epics in translation. Prescribed Texts: Homer - The Iliad ; Virgil -

Aeneid; Aeschylus-Agamemnon; Sophocles - Oedipus Rex ; Euripides- Alcestis ; Aristophanes - Frogs
Credits: 3; Prerequisite: ENG-190 + 4 other literature courses

ENG 215: Seventeenth and Eighteenth Century Poetry
This course includes the major poets of this period. Prescribed Texts: Milton: Paradise Lost Bk. I, Donne: Good Morrow, A Valediction forbidding Mourning, Twickenam Garden, Extasie, Canonization; Dryden : Absalom and Achitophel, Pope: Rape of the Lock, Grey: Elegy Written in a Country Churchyard, Blake: Selectionas from Songs of Innocence and Songs of Experience
Credits: 3; Prerequisite: ENG 190 + ENG 195

ENG 220: Victorian Prose and Poetry
The course seeks to show the changes taking place in society. It consists of novels and poems of the era Writers include Newman, Robert Browning, Tennyson and Mathew Arnold. Prescribed Texts: **Prose**: Newman The idea of a University, Chapters V, VI, and VII, Arnold: Culture and Anarchy, Chapters I & II; **Poetry**: Tennyson: " Tithonus"; "The Lady of Shallot"; "Tears, Idle Tears"; "The Lotos Eaters"; Selections from "In Memorium"; Browning: Love Among the Ruins; Fra Lippo Lippi; The Last Ride Together; My Last Duchess; Arnold: Dover Beach; The Scholar Gypsy; Thyrsis
Credits: 3; Prerequisite: ENG 190 + ENG 195 + ENG 345

ENG 230: Nineteenth Century Novel
This course includes the major novelists of the time and their representative works. Prescribed Texts: H. Fielding: Tom Jones; Emile Bronte: Wuthering Heights; Jane Austen : Pride and Prejudice; Charles Dickens : Great Expectations; Thomas Hardy : Tess of the D'Urbervilles
Credits: 3; Prerequisite: ENG 190

ENG 301: Elizabethan and Restoration Drama
Students will not only read plays from the two periods but will gain a perspective on the historical, religious and political background of the ages. Texts will include selections from Thomas Kyd, Christopher Marlowe, William Shakespeare, Ben Jonson, and William Congreve. Prescribed Texts: Thomas Kyd: The Spanish Tragedy; Marlowe: Doctor Faustus; Shakespeare: Twelfth Night; Ben Jonson: The Alchemist; Congrave: The Way of the World
Credits: 3; Prerequisite: ENG 190 + ENG 195

ENG 302: Modern Novels
Students will read a number of English novels of the post World War II era. Writers include D.H. Lawrence, William Golding, George Orwell, Virginia Woolf, James Joyce and Joseph Conrad. Prescribed Texts: D H Lawrence : Sons and Lovers; William Golding: Lord of the Flies; George Orwell: Animal Farm; Virginia Woolf : Mrs. Dalloway; James Joyce: Portrait of the Artist as a Young Man; Joseph Conrad: Heart of Darkness
Credits: 3; Prerequisite: ENG 230

ENG 303: Syllabus and Material Design
The purpose of this course is to introduce students to the different types of syllabus such as grammatical syllabus, structural syllabus, notional-functional syllabus, and communicative syllabus. It introduces some of the fundamental considerations of syllabus design such as needs analysis, setting of goals, defining objectives, deciding about pedagogic approach,

selecting, grading and sequencing of items, and recommending testing procedures. The courses also covers the basic considerations in selecting, adopting, and designing materials. Some of the checklists will be consulted for evaluation and a unit of materials will also be evaluated. The course will also include lesson planning and task design.
Credits: 3; Prerequisite: ENG 204 + ENG 306

ENG 305: Linguistic Theories
The course discusses the historical developments of Linguistics as a discipline. The course incorporates theories of Saussure, the descriptivists, the Sapir Whorf hypothesis, Functional Linguistics of Prague School, Noam Chomsky and generative grammar and London school.
Credits: 3; Prerequisite: ENG 145 + ENG 154

ENG 306: Methodology of Language Teaching
The aim of this course is to prepare students as good language teachers by familiarizing them with theoretical and practical aspects of language teaching. The course emphasizes the importance of methodology in language teaching. It critically examines Audiolingual Method, Communicative Method, The Natural Approach, Total Physical Response and Suggestopedia.
Credits: 3; Prerequisite: ENG 145 + 204

ENG 309: Advanced Reading and Writing
Students will be required to study selected literary pieces in order to develop an awareness of the linguistic devices an author employs and the effects they produce. Students will explore different rhetorical modes including narration, description, process, comparison/contrast, classification, cause and effect. The course will also focus on word choice, sentence variety and organization of ideas. Reading will cover such areas as critical reading, finding explicit and implicit relationship between elements of texts, identifying author's attitude and feelings, mood and tone, recognizing bais, interpreting and critically evaluating texts. Writing will focus on style of writing, introducing point of view, using the writer's tone, conventions of referencing and quoting.
Credits: 3; Prerequisite: ENG 155

ENG 310: Shakespeare
The course aims to familiarize students with Shakespeare's craft, technique, use of language and with the rudiments of Shakespearean stage structure through readings of Shakespearean plays and poetry. Texts will include a mixture of Shakespearean tragedy, comedy, history plays, the problem plays and selected sonnets. Prescribed Texts : Macbeth, Othello; Julius Caesar; Twelfth Night; Five Selected Sonnets
Credits: 3; Prerequisite: ENG 301 + at least 8 other courses

ENG 316: English for Specific Purposes
This course aims at introducing students to teaching English for specific purposes such as English for academic purposes, occupational purposes, Engineering, English for business studies etc., so that they can develop themselves as good ESP teachers.
Credits: 3; Prerequisite: ENG 303 + ENG 306

ENG 319: Translation Studies
This course introduces students to the methods and mechanism of translation from vernacular to foreign language or vice versa. This is mostly a practice-based course and so students will be required to choose a book for translation over the semester. A teacher will be

closely monitoring their progress and providing guidance. Some relevant reading articles will also be selected for their theoretical grounding so that they can have theoretical knowledge underpinning translation as a skill.
Credits: 3; Pre-requisite: ENG 155 + ENG 309 + at least 5 literature courses

ENG 330: English Prose from Bacon to Lamb
The course consists of prose writings from the Elizabethan age to the Nineteenth Century.It includes selected writings of Bacon, Addison and Steele, Swift, Boswell and Lamb. Prescribed Texts; Bacon: "Of Studies", "Of Great Place", "Of Truth", "Of Friendship"; Addison and Steele: Selections from the Spectators Boswell's Life of Dr. Johnson; Swift: Gulliver's Travels; Charles Lamb: Selections from Essays of Elia.
Credits: 3; Prerequisite: ENG 190

ENG 335: Teaching Language through Literature.
The purpose of this course is to familiarize students with some techniques of using literature for language skills training. The course will discuss some of the ideas both for and against the use of literature in language teaching, and how literature might prove an effective tool for training English listening, speaking, reading and writing skills.
Credits: 3; Prerequisite: ENG 204, +ENG 306

ENG 345: Romantic Poetry
The course includes selections from the Romantic poets. Poets will include Wordsworth, Coleridge, Shelley, Keats and Byron. Prescribed Texts; Wordsworth : "Tintern Abbey"; "Ode on the Intimations of Immortality"; "London 1802"; "The World is too much with Us"; "Three years She Grew in Sun" and Shower"; Coleridge: "The Rime of the Ancient Mariner"; Kubla Khan"; PB Shelly : "Ode to the West Wind", "To a Skylark, Adonais"; Keats: Ode to a Nightingale, : "Ode on a Grecian Urn", "Ode to Autumn", "Ode to Melancholy,On First Looking into Chapman's Homer"; "Byron : Manfred".
Credits: 3; Prerequisite: ENG 215

ENG 410: Continental Literature
The course aims at familiarizing students with some major writers of Continental Literature. It includes works of Flaubert, Tolstory, Bretcht, Pirendello, Baudelaire and Rilke.
Credits: 3; Prerequisite: At least 6 literature courses

ENG 412: Techniques of Teaching English Language Skills
This course aims at familiarizing students with different techniques of teaching listening, speaking, reading and writing skills to help develop their efficiency in teaching English language skills. The course will require students to do practice teaching also.
Credits: 3; Prerequisite: ENG 204 + ENG 207 + ENG 306

ENG 413: Language Testing and Evaluation
This course introduces students to the different types of language tests- placement, diagnostic, proficiency, achievement, norm-referenced and criterion referenced tests. It also discusses some fundamental considerations in language testing such as reliability, validity, (face validity, content validity, construct validity etc.), and administrability. It trains students to evaluate the tests and design reading, writing, speaking and listening tests.
Credits: 3; Prerequisite: ENG 204 + ENG 207 + ENG 306

ENG 414: Research Methodology in ELT
This is an advanced course that aims at introducing students to the approaches and methods of ELT research so that they can understand the problems of English language teaching in Bangladesh and recommend some solutions to those problems. It introduces students to the different areas and different types of ELT research such as qualitative research, quantitative research, experimental research, case studies and action research. It talks about setting a research program, doing literature review, designing research tools which includes tools for questionnaire survey for interviews and classroom observation, data processing and analysis, and presenting the result. It also introduces students to statistical concepts such as central tendency (mean, median, mode), distribution (standard deviation, normal distribution curve etc).
Credits: 3; Prerequisite: ENG 204 +ENG 207 + ENG 303 + ENG 306 & ENG 335

ENG 415: Language Policy and Planning
The purpose of this course is to introduce students to the important issues and considerations in language policy and planning. It considers the nature and function of 'official' languages and the relationships between languages and identity and pluralism – assimilation issues. Students will have to study language policy of some other countries, examine the language policy of Bangladesh and come up with new ideas for planning an effective language policy for Bangladesh.
Credits: 3; Prerequisite: ENG 208

ENG 417: Problems & Prospects of ELT in Bangladesh
This course provides an overview of the present state of ELT in Bangladesh and seeks to help students find out the means to resolve it. It closely examines classroom methodology, curriculum and testing across primary, secondary and higher secondary levels of English teaching and learning. Students will also be made familiar with some ELT projects like PERC, ELTIP and American Peace Corps initiative for the improvement of English language teaching and learning in Bangladesh.
Credits: 3; Prerequisite: ENG 208

ENG 420: American Literature (1620-1891)
The course covers the earliest writings in American literature starting from the colonial period to the 19th century. Writers include Nathaniel Hawthorne, Henry Wadsworth Longfellow, Henry David Thoreau, Henry James, Mark Twain and Whitman. Prescribed Texts; Melville: Billy Budd; M. Twain: Tom Swayer; N. Hawthorne: The Scarlet Letter; H .W. Thoreau: Walden; Whitman: Song of Myself; "When Lilacs Last in the Dooryard Bloomed"; Henry James: Portrait of a Lady.
Credits: 3; Prerequisite: ENG 190 + at least 6 other literature courses

ENG 425: American Literature (Modern to Contemporary)
The course will introduce students to the themes, ideas, and values prevalent in American literature of post World War II to contemporary times. Writers will include Robert Frost, Eugene O'Neill Earnest Hemingway,and Emily Dickinson. Prescribed Texts; Robert Frost: Selected poems from the Norton Anthology; Dickinson: Selected Poems from the Norton Anthology; Eugene O'Neil: Long Day's Journey into Night, Morning becomes Electra; Hemingway: The Sun also Rises
Credits: 3; Prerequisite: ENG 420+ at least 8 other literature courses.

ENG 430: Cultural Studies
The course will deal with writings on cultura from older times to modern cultural studies. Writers include Mathew Arnold, Simon During, Roland Barthes, Stuart Hall, Cornel West and Edward Said.
Credits: 3; Prerequisite: Completion of at least 8 literature courses

ENG 435: Postcolonial Theory and Literature
Students will interrogate the category of postcolonial theory and literature to discern the pitfalls of using such a broad terminology. They will also enquire into the different forms of literature and writing that can be encompased within this category. Theory and Literature texts will include selections from Leela Gandhi, Edward Said, Homi Bhabha, Sara Suleri, Gayatri Spivak, Chandra Mohanty Talpade,Salman Rushdie. Chinua Achebe, R.K. Narayan, Meena Alexander and Bharati Mukherjee.
Credits: 3; Prerequisite: Completion of at least 12 literature courses

ENG 436: ELT Research Project
The purpose of this course is to give some practical training in doing ELT research. Students do a mini research project in any one of the following areas under a teacher's guidance: a) Needs analysis b) Designing a communicative syllabus. c) Evaluating a syllabus d) Evaluating materials and designing materials. e) Evaluating teaching. f) Evaluating tests and designing reading, writing, speaking and listening tests g) Learner's learning style preferences h) Learner's beliefs and expectations.
Credits: 4; Prerequisite: ENG 414

ENG 438: Literary Criticism
This course introduces students to some of the fundamental ideas of literary criticism. It examines the different views about literature. Prescribed Texts; Aristotle: Poetics; Johnson: "Preface to Shakespeare"; Dryden: "An Essay on Dramatic Poesie"; Wordsworth: "Preface to Lyrical Ballads"; Arnold: The Study of Poetry.
Credits: 3; Prerequisite: Completion of at least 10 literature courses

ENG 440: Literary Theory
The aim of this course is to familiarize students with different literary theories. The course includes selected works of Freud, Cleanth Brooks, E M Forster, M H Abrams, R Barthes, William Wordsworth, Fish, Said, Kora Kaplan and T S Eliot.
Credits: 4; Prerequisite: ENG 438 + 12 other literature courses

ENG 445: Modern Poetry
Students will deal with the complexities of modernism and related issues. Poets include T S Eliot, W.B. Yeats,Ted Hughes, Sylvia Plath, Dylan Thomas and W.H. Auden. Prescribed Texts; W. B. Yeats: "Sailing to Byzantium"; "Wild Swan at the Coole"; "The Second Coming"; "An Irish Seaman foresees his death"; "Easter 1916". T.S.Eliot: "Love Song of J.Alfred Prufrock"; Portrait of a Lady; The Waste Land. W. H. Auden: Selections from The Norton Anthology, Ted Hughes: Selections from the Norton Anthology, Sylvia Plath: Selected Poems, Dylan Thomas: Selected Poems.
Credits: 3; Prerequisite: ENG 220+ at least 7 other literature courses

ENG 450: Modern Drama
In this course students will be familiarized with modern drama. Writers include G. B. Shaw, J. M. Synge, Samuel Beckett, George Osborne and Harold Pinter. Prescribed Texts; G.B.

Shaw: Man and Superman; J.M.Synge: Playboy of the Western World; Samuel Becket: Waiting for Godot; George Osborne: Look Back in Anger; Harold Pinter: Birthday Party
Credits: 3; Prerequisite: ENG 301 & ENG 310

ENG 455: Comparative Literature
This course includes non-English writers like R K Narayan, V S Naipaul, Arundhuti Roy, Chinua Achebe, Wole Soyinka, Naquib Mahfuz, and Nadine Gordimer.
Credits: 3; Prerequisite: Completion of at least 12 literature courses

FIN 101: Principles of Finance
Study of issuance, distribution and purchase of financial claims including the topics of financial management, financial investments and financial markets.
Credits: 3; Prerequisite: ACT 101, STA 101, MAT 100

FIN 201: Business Finance
The principle problems of managing the financial operations of an enterprise. Emphasis upon analysis and solution of problems pertaining policy decisions.
Credits: 3; Prerequisite: FIN 101

FIN 335: Financial Institutions and Markets
An understanding of money and capital markets and financial instruments traded in these market and the discussion of major financial institutions are the major focus of the course.
Credits: 3; Prerequisite: ECO 102 FIN 201

FIN 350: Real Estate Finance
Focuses on theory and practice in real estate, with social, legal and economic implication. Topics of this course are administration of real estate mortgage, source and uses of mortgage funds, permanent and secondary financing and an overview of lease financing.
Credits: 3; Prerequisite: FIN 201

FIN 380: Management of Commercial Bank
This course is designed to provide the students with tools and techniques to manage commercial banks. the content of the course included: performance evaluation of a bank, asset-liability management, management of various kinds of risks, such as interest rate risks, and fund management and investment management.
Credits: 3; Prerequisite: FIN 201

FIN 408: Financial Analysis and Control
This course offers techniques for analyzing income statement and balance sheet of a firm. On the basis of the analysis, managers are to detect the deviation on difference of financial performance. It also focuses on the managerial applications of financial statement analysis of a firm and implements their results as a means of control.
Credits: 3; Prerequisite: FIN 425

FIN 410: Risk Management and Insurance
Examines the management of non-speculative risks in the business enterprise with emphasis on insurance as a tool. Topics included are concept of risk and insurance, risk analysis, treatment of risk control and financing, analysis of risk contracts in the areas of life, health, property and liability insurance.
Credits: 3; Prerequisite: FIN 201

FIN 425: Investment Analysis and Management
Survey of the problems and procedure of investment analysis and management. Types of investment risks, analysis of investment problems regarding the corporation as well as individuals.
Credits: 3; Prerequisite: FIN 201

FIN 435: Managerial finance
Examines in details the investment, financing and dividend policies of a corporation and their inter-relatedness. Topics included discussion of a debt policy, debt about dividend puzzle, interaction between investment and financing decisions and market for corporate control.
Credits: 3; Prerequisite: FIN 425

FIN 450: Cases in Financial Management
This course would provide the opportunity to learn the real tool through analyzing the real cases in the real world set up. This will increase the horizon of student's thinking process about financial matters in depth. Case studies affecting the financial policies and position of the business unit, analysis of the financial problems, determination of alternatives and managerial decision making.
Credits: 3; Prerequisite: FIN 435

FIN 475: Option and Future
Study of modern concepts and issues in financial options and futures markets. Emphasis on risk management in financial institutions and applications in corporate finance and fund management.
Credits: 3; Prerequisite: FIN 425

FIN/ITB 465: International Financial Management
Analyzing the form and tools of international financial transactions at an advanced level. Topics included are managing exchange rate, capital raising and investment decisions through international financial markets and other related issues.
Credits: 3; Prerequisite: FIN 201

GEN 201: Bangladesh Studies
This course attempts to introduce the students to the basic socio-economic, cultural, historical, political , administrative and historical features of Bangladesh. The course also aims to encourage the critical thinking of the students to write short papers on issues associated with development and governance in Bangladesh.
Credits: 3; Prerequisite: ENG 102

GEN 202: Eastern Culture and Heritage
The objective of this course is to introduce students to the culture and civilization of eastern part of the world. The specific objective is to make the students familiar with the major races, religious philosophy, cultural heritage and scholars of this region.
Credits: 3; Prerequisite: None

GEN 203: Ecological System and Environment
Topics include : Environment science, input reduction, population bomb, resources, ecology and population, abundance control, community diversity, energy flow, type of species, demography, resource management, biodiversity, pollution , controlling pollution, water pollution, air pollution, ethics.
Credits: 3; Prerequisite: None

GEN 204: Western thought
The aim of this course is to introduce students with some masterpieces of Western literature. The course includes selections from William Shakespeare, Charles Dickens, Anthon Chekov, Guy de Mupassant, Robert Frost and T.S.Eliot.
Credits: 3; Prerequisite: None

GEN 205: Introduction to Psychology
The objective of this course is to introduce students to key societal concepts, primary social institutions, social structure and stratification, religion and so on. They will also be familiar with the methods and different techniques of social research.
Credits: 3; Prerequisite: ENG 099 or equivalent

GEN 206: Introduction to Sociology
The aim of this course is to introduce students to key societal concepts, primary social institution, social structure and stratification, religion and so on. They will also be familiar with the methods and different techniques of social research.
Credits: 3; Prerequisite: None

GEN 207: Industrial Psychology
The objective of this courses is to provide knowledge about human behavior in those aspects of life that are related to the production, distribution and use of the goods and services of our civilization. This course will also help to the application of pertinent information about human behavior to the solution of human problems in the industrial context.
Credits: 3; Prerequisite: ENG 099 or equivalent

GEN 208: Introduction to Philosophy
Topics include: Definition of philosophy, function of philosophy, relation of philosophy to religion & science, methods of philosophy, theories of the origin of knowledge, criterion of truth, nature of mind, theories of mind body relationship, the problem of value, nature, scope and utility of ethics.
Credits: 3; Prerequisite: None

GEN 209: Social Psychology
Topics include: Introduction, socialization, social perception, attitude, communication, interpersonal attraction . social influence, mass communication and collective behavior.
Credits: 3; Prerequisite: None

GEN 210: International Relation
Topics include: Fundamental theories of international politcs, Elements of national power and prestige, Treaty of Versailles and the turmoil in Europe. Beginning of the Cold War (1945-1952). kennedy and the "Flexible Response"(1960-1963). Root cause of Arab-Israeli conflict. Nixon – Kissinger and the Triangular Diplomacy (1970-1974) . Carter and the "Human Rights" foreign policy. American Foreign Policy (1980-1990). Bangladesh in post Cold War World order(1992-present).Major Civilization of the World (Universal or local). War and peace in post – Cold War World. Theoretical concepts of Diplomacy.
Credits: 3; Prerequisite: ENG 102

ITB 301: International Business
Analyses the major business management functions of international business environment, organizational policies, and strategies of multinational companies, industrial relations and control policies.
Credits: 3; Prerequisite: MGT 101, MKT 101 ECO 102

ITB 401: International Operations
Emphasis on the factors influencing marketing to and within foreign countries and the alternative methods of operations open to international firms.
Credits: 3; Prerequisite: ITB 301

ITB 428: International Economics
This course provides students with an understanding of international payments, balance of payments and foreign exchange markets, alternative international monetary arrangements and adjustments. This course will examine trade theory and policy and trade problems in multinational companies or in specific countries.
Credits: 3; Prerequisite: ECO 102,ITB 301

ITB 445: International Financial Institution
The course attempts to provide greater understanding of foreign exchange market and its intricacies with international trade. Major topics will include balance of payments, exchange rate regimes, Spot market, Forward market, BP curve, J-curve and the practices of IMF, World Bank, ADB, IDB, and other multilateral institutions.
Credits: 3; Prerequisite: ECO 102, ITB 301, FIN 201

ITB 450: International Business Negotiations
This course deals with the development of the conflict resolution, negotiating in the International context, mediation in International conflict, adjudication: International arbitral tribunals and courts, social-psychological dimensions of International conflict, Interactive conflict resolution, and contributions of training to International conflict resolution.
Credits: 3; Prerequisite: ITB 301, ECO 102

ITB 455: Country Risk Analysis
This course provides framework for identification and analysis of economic and political issues of a country to assess the risk factors of that particular country. Topics include demographic trends, social issues, cultural knowledge through case analysis that will help students to develop skills necessary to identify, assess and deal with issues of risks and uncertainty in various countries.
Credits: 3; Prerequisite: ECO 102, ITB 301

ITB 460: International Competitiveness
How a country competes in the world is the crucial factor in determining that country's ability to benefit from international trade in to-day's global economy. This course offers a complete and proper understanding of the meaning of International competitiveness, analyzes the implications it holds for an economy's progress, examines how it may be pursued and sustained at both the sectoral level (firms and industries) and the national level (strategic objectives). It would offer pertinent policy guidelines and prescriptions for how a nation can achieve and maintain international competitiveness in order to sustain the long-term prosperity of its industries, and hence the overall pace of economic growth.
Credits: 3; Prerequisite: ITB 301, ECO 102

ITB/FIN 465: International Finance Management
Analyzing the form and tools of international financial transactions at an advanced level. Topics included are managing exchange rate, capital raising and investment decisions through international financial markets and other related issues.
Credits: 3; Prerequisite: FIN 201, ITB 301

MAT 099: Remedial Mathematics
The objective of this course is to strengthen the mathematical foundation of the freshers at East West University. Topics include: Unit and metric system, number system, linear equations and inequalities, exponent and radicals, polynomial and factorization, simplification of expressions, simple and compound interest, profit and loss, rates and ratios, significant digits and approximations, areas and volumes, co-ordinate systems, graphs and diagrams.
Credit: 0; Prerequisite: None

MAT 100: College Mathematics
Number System: Concept on binary, octal, decimal and hexadecimal number systems. Conversion of number of base 10 into number of base 2, 8 and 16. Conversion of number of base 2, 8 and 16 into number of base 10. Binary arithmetic: Addition and subtraction of two binary numbers. Multiplication and division of two binary numbers. 1's compliment, 2's compliment, Subtraction using 1's compliment and 2's compliment. Real numbers: Basic concepts on real numbers. Set operations: Union of sets, Intersection of sets, Compliment of sets. Formation of Venn diagram. Function and relations: Domain, Range. Function, inverse function. Exponential and Logarithmic function. System of linear equations: Determinant: Minor and Cofactors. Cramer's rule. Homogeneous linear system. Fundamental principal of counting: Permutation, Combination. Binomial Theorem: Expansion of power of binomial: Binomial theorem, Binomial series. Vector Algebra: Addition and Subtraction. Dot and Cross multiplication. Calculus: Differentiation: Concept on derivatives, differentiability and continuity. Techniques of differentiation. Derivatives of Trigonometric, Logarithmic, Exponential and Hyperbolic functions. Chain rule. Implicit differentiation. Integration: Indefinite integral. Integral by substitution. Definite integral. Graph plotting: Straight line, Parabola, Hyperbola, Ellipse, Circle.
Credits: 3. Prerequisite: None.

MAT 101: Calculus I
Limits and Continuity: Basic concept on limits and continuity, Evaluation of limits and continuity of functions. Application of Differential Calculus: Increase, Decrease and Concavity of functions, Relative extrema; First and second derivative tests, Absolute Maxima and Minima, Newton's Method, Rolle's Theorem; Mean-Value Theorem. Application of Integral Calculus: Rectilinear motion; Average value, Area between two curves, Volumes by Slicing; Disk and Washers, Volumes by Cylindrical shells, Length of plane curve, Area of a surface of revolution. Partial Derivatives: Functions of two or more variables, Limits and continuity, Partial derivatives, Differentiability and Chain rules, Euler's Theorem on homogeneous functions. Vector Calculus: Vector field, Line integral.
Credits: 3; Prerequisite: MAT 100.

MAT 102: Calculus II
Multiple integrals: Double integrals over rectangular regions over nonrectangular regions, Double integrals over nonrectangular regions, Triple integrals, Change of variables in multiple integrals; Jacobians. Fourier series: Basic concepts on periodic functions, Trigonometric series, Fourier Series. The Fourier Cosine and Sine series. Differential

equations: Derivation of Ordinary Differential Equation by eliminating arbitrary constants, Equations of first order and first degree: Variables separable, Homogeneous Differential Equations, Linear Differential Equations, Equations Reducible to Linear Equations and Exact Differential Equations, Linear Differential Equations of second and higher orders: Auxiliary equations having distinct real roots, equal real roots and imaginary roots, Equations having the form $f(D)y=X(x)$ where X is of the form e^{ax} (a constant), *sin ax* or *cos ax* (a constant) and X^m (m constant). Partial Differential equations: Derivation of Partial differential Equation by eliminating arbitrary constants, Derivation of Partial differential Equation by eliminating arbitrary function, Solution of a Partial Differential Equation of first order (Lagrange's Equation). Vector Calculus: Independence of Path; Conservative Vector Fields, Green's Theorem, Surface Integrals.
Credits: 3; Prerequisite: MAT 100, MAT 101.

MAT 110: Mathematics For Business and Economics I
Topics include: Set, liner equations and inequalities in one variable, quadratic equations, Cartesian coordinate system and straight lines, function, linear and quadratic functions, exponential and logarithmic functions, system of liner equations, matrices, permutation and combination, binomial theorem, arithmetic and geometric progression.
Credits: 3; Prerequisite: MAT 099

MAT 201: Linear Algebra
Systems of Linear equations and Matrices: Introduction to systems of Linear Equations, Gaussian Elimination, Matrices and Matrix operations. Inverses; Rules of Matrix Arithmetic. Elementary Matrices and a method for finding inverse of a matrix. Further results on systems of equations and invertibility. Diagonal, Triangular, and Symmetric Matrices. Determinants: Basic concept on determinant, Evaluating determinants by row reduction, Properties of the determinant function. Cofactor expansion; Cramer's Rule. General vector space: Real vector space, Subspace. Linear independence, Basis and dimension. Row Space, Column Space, and Nullspace. Rank and Nullity. Eigenvalues and eigenfunctions: Concepts on Eigenvalues and eigenfunctions, Diagonalization, Orthogonal Diagonalization. Linear Transformation: General Linear Transformations, Kernel and Range, Inverse Linear Transformations, Matrices of general Linear Transformations. LU-Decompositions.
Credits: 3; Prerequisite: MAT 100.

MAT 301: Mathematics for Engineers
Laplace Transform: Definition of Laplace Transform, Laplace Transform of different functions, Inverse Laplace Transform, convolution, evaluation of improper integrals by Laplace Transforms. Solution of differential equation by Laplace Transforms. Fourier Series: Review of Fourier Series, Convergence of Fourier Series, Fourier Integral. Complex Variables: Complex number system, General functions of a complex variable. Limits and continuity of a function of complex variable. Complex differentiation and the Cuchy-Riemann equations. Infinite series. Convergence and uniform convergence. Line integral of a complex function. Cauchy integral formula. Liouville's theorem. Taylor's and Laurent's theorem. Singular points. Residue, Cauchy's residue theorem.
Credits: 3; Prerequisite: MAT 101, MAT 102

MAT 311: Mathematics for Business and Economics II
Topics include: Economic and business models, functions, limits and continuity, concept of derivative, rules of differentiation and integration, and their use. Constrained optimization

with lagrangian multiplier, partial derivatives. Theory is pesented informally and techniques are related to polynomials, logarithmic and exponential functions.
Credits: 3; Prerequisite: MAT 110, ECO 102

MAT 407: Advanced Calculus
Vector differential equations, constant coefficient equations, first-order systems, linear systems.
Credits: 3; Prerequisite: MAT 311

MGT 101: Principles of Management
This course introduces the students with basic management concepts, theories and models in effective management and decision making process. It provides an overall conceptual framework that can be used to understand how a manger can influence in the field of management. Particularly it will review and discuss for better understanding the basics of planning, organizing, controlling, interpersonal relations and leadership/management role in the managerial environment of today.
Credits: 3; Prerequisite: BUS 101,ENG 101

MGT 251: Organizational Behavior
Understanding the behavior of employees in organizations, particular attention to motivation to the individuals to join and perform in organizations and to employee satisfaction with element strategies to modify employee motivation and satisfaction.
Credits: 3; Prerequisite: MGT 101

MGT 337: Production Operations Management
Topics include: Introduction to production management, consideration of major problems of the production area, and the use of quantitative methods for solving them .
Credits: 3; Prerequisite: MAT 110, STA 101

MGT 402: Management Science
Survey of the current literature in Management Science examines principles and practices of scientific management. Selected topics in this course include: MBO, quantitative methods, markov decision problems, simulation and queuing theory.
Credits: 3; Prerequisite: STA 327

MGT 405: Organizational Development and Change
Provides an understanding of basics of organizational development, organizational renewal and change, intervention process. The objective of this course is to provide students with an integrated and comprehensive view of the field of organizational development.
Credits: 3; Prerequisite: MGT 251

MGT 409: Human Resources Management
This course covers factors in organizational performances, motivation and performance, HR planning; job design and staffing development and appraisal, compensation and reward, employee projection and representation and the future of HRM.
Credits: 3; Prerequisite: MGT 101

MGT 410: International Labor Management
This couse provides an overview of the history and development of labor relations, the structure of union organizations, and process of negotiations and contract administration .

Topics include the study of labor management in development market economics, international bargaining, ethics and employee relations. This course is a balanced approach from international or management viewpoint and an analysis from a behavioral, institutional and economic perspective.
Credits: 3; Prerequisite: BUS 361

MGT 421: Entrepreneurship Development
This course starts with the evaluation of the available business opportunities. Then it discusses the marketing strategies, financing, controlling process the leagl responsibilities. It concludes with some tips for the future applications and shows the students the need for a business plan.
Credits: 3; Prerequisite: MGT 101

MGT 425: Total Quality Management
Examines major issues of TQM principles and theories. Topics include Demings, Jurans, Crrosby's TQM principles, JIT, HRM, Leadership theories, Quality and operaional research.
Credits: 3; Prerequisite: MGT 101

MGT 437: Small Business Management
Managing small firms is a multidisciplinary activity. Planning activity binds all other activities together. Besides planning the course covers topics, such as: setting up, business basics, finance, control and the growing business.
Credits: 3; Prerequisite: MGT 101

MGT 448: Managing Globalization
This course contains topics on organizational strategy : for global competitive advantage ; management dynamics : structuring, staffing, & sharing values ; and cases regarding global management. This course also covers cultural and behavioral aspects of globalization, functional aspects of globalization and socio-ethical issues relating global management.
Credits: 3; Prerequisite: ITB 301, MGT 101

MGT 465: Leadership Management
This program responds to the leadership development needs of government and non-government organizations. This program provides a means by which students may discover and refine abilities fundamental to effective leadership.
Credits: 3; Prerequisite: MGT 251

MGT 480: Strategic Management
Analysis of policy formulation and implementation from a company wide stand point. Emphasis on integration of knowledge and approaches across functional areas, both endogenous factors, which affect company policy and the role of the firm in the society.
Credits: 3; Prerequisite: All required courses/99 Credits

MIS 101: Introduction to Management information system
Introduction to the components of the management information system and their integration for managerial control and decision support. Major functional applications and impacts of information technology on individual and society.
Credits: 3; Prerequisite: CSE 101

MIS 305: Enterprise Information System
The aim of this course is to focus on the different perspectives of Information Technology Management and its changes in the 21st century. It will prepare the students to face the MIS challenges of the new millennium. This course includes different technological matters such as e-business models, value creation and group focusing by using technology. It also includes extended enterprise concept in creating value from different computer based decision making approaches and virtual business concept. Different communication challenges from network perspective are also included. Electronic commerce imperative, MIS dilemmas for managers, unintended consequences of information technology, privacy in the age of the Internet, the global network organization of the future, its transformation, and business education will also be covered.
Credits: 3; Prerequisite: MIS 101

MIS 402: System Analysis and Design
Essential steps in developing a management information system, Including P-3 preliminary planning, designing, feasibility analysis, implementation schedule, and post implementation review of the systems which familiarizes students with methodology and techniques.
Credits: 3; Prerequisite: MIS 101,MIS 305

MIS 404: Networking and Operating System
The logical and physical design and implementation of computer network. The framework of layered architecture, different protocols, cable types and connectors, network naming and security, wide area networks, network trouble shooting, file systems of Microsoft NT, installing, fault tolerance, WINNT resources, remote access, performance monitor, file systems of UNIX, basic commands, editors, and shell scripts.
Credits: 3; Prerequisite: MIS 101, MIS 305

MIS 406: Relation Database Management System
The logical and physical design of database using computerized tools. Topic include - query optimization, DDL, DML, DCL, keys, joins, triggers, standard SQL functions e.g. count, nvl, sum, order and group by, snap shots, clusters, table space, etc. A great deal of emphasis will be given to query writing using the PL/SQL ; forms and report will be created by using different front end tools.
Credits: 3; Prerequisite: CSE 301

MIS 407: System Integration & Security and Internet
Business and system specification, existing hardware and software platform, file system of different operating systems, integration features of different systems including hardware and software, security features of different hardware and software, history and current management of internet, engines, internet services, electronic business and business promotion, internet software development and security.
Credits: 3; Prerequisite: MIS 101, MIS 305

MIS 408: Internetworking with TCP/IP and Implementing Exchange Server
Introduction to TCP/IP, identifying machine with IP routing, IP address resolution, host name resolution, Net BIOS name resolution, DHCP, WING, internet working, browing, connetivity in heterogeneous environments, SNMP services, fine tuning and optimization, trouble shooting, and administration of exchange server.
Credits: 3; Prerequisite: MIS 404

MIS 409: Client/Server Administration
Domain model in the enterprise, server managing, uses (local and global) management, resource management, server and client, internet services, internet work routing, system performance, network monitoring, and server and client trouble shooting.
Credits: 3; Prerequisite: MIS 404

MIS 415: Decision Support System
This course focuses on the fundamentals of decision support system, its tools and implications in present decision making process.
Credits: 3; Prerequisite: MIS 406

MIS 419: E-Commerce and Web Programming
This course focuses on recognizing and explaining electronic business process and identifying and recommending Internet and E-Commerce. Topics include implementation of and conducting E-Business and managing Web: the global and local market, business to business, Web application, corporate Web server management, legal considerations, Electronic Payment Systems (EPS), role of the bank in E-commerce, business model for E-commerce. It covers Web technology comprehensively.
Credits: 3; Prerequisite: MIS 406

MKT 101: Principles of Marketing
Principle of marketing course is designed to give the students an interesting and decision oriented approach to the study of basic marketing concepts and practice. This course provides an integration of marketing activities of the firm into a system, which includes basically product, price, promotion and place.
Credits: 3; Prerequisite: BUS 101

MKT 201: Marketing Management
Management of the firm's marketing function within a dynamic operating environment. Includes study of such function as product development, promotion, channel, selection, logistics and market research.
Credits: 3; Prerequisite: MKT 101

MKT 401: Sales Management
Analysis of the management of the sales effort within the marketing system. Philosophies, concepts, and judgement criteria of the sales function in relationship to the total marketing program.
Credits: 3; Prerequisite: MKT 201

MKT 405: Promotion Management
The role of promotional activities in the firms marketing function. Topics included advertising, personal selling, sales promotion and publicity. The relationship of consumer behavior to the area of promotion.
Credits: 3; Prerequisite: MKT 201

MKT 408: International Marketing
Analysis of international operations. Emphasis on the factors influencing marketing to and within foreign countries and the alternative methods of operations open to international firms.
Credits: 3; Prerequisite: ITB 301, MKT 201

MKT 410: Consumer Behavior
Examines underlying psychological, sociological, and economic factors, which influence consumer behavior. Studies and impact of marketing activities on society, consumerism, and legislation affecting the market place.
Credits: 3; Prerequisite: MKT 201

MKT 412: Service Marketing
Characteristics of service industries and organizations, pre-sales and post-sales activities and marketing people in service marketing. The service marketing mix major store and non-store retailing. Managing services quality, productivity, relationships and service marketing etc.
Credits: 3; Prerequisite: MKT 201

MKT 414: Marketing Research
The basic procedures and theories appropriate to solving various types of marketing problems in the context of business organization and decision models.
Credits: 3; Prerequisite: STA 101, MKT 201

MKT 418: Physical Distribution
Integration of physical distribution activities of the firm into a system. Transportation and location as elements of the system. Inventories and service as constrains upon the system. Planning, operation and management of the system.
Credits: 3; Prerequisite: MKT 201

MKT 430: Strategic Marketing
The course discusses marketing strategy, defining and analyzing markets, marketing segmentation, analyzing competition, market targeting and positioning strategies, product portfolio strategy, implementation, and other relevant topics.
Credits: 3; Prerequisite: STA 101, MKT 201

PHY 101: Physics I
Force and Motion: Newton's Laws of Motion, Kinetic Energy and Work, Potential Energy and Conservation of Energy. Gravitation: Newton's Law of Gravitation, Kepler's Laws, Orbits and Energy. Oscillations: Simple Harmonic Motion, The Force Law for Simple Harmonic Motion, Forced Oscillation and Resonance. Waves: Transverse and Longitudinal Waves, Wavelength and Frequency, The Speed of a Traveling Wave, Interference of Waves, Phasors, Standing Waves and Resonance, Sound Waves, The Speed of Sound, Traveling Sound Waves, Interference, Intensity and Sound Level, The Doppler Effect. Temperature and Heat: The Zeroth Law of Thermodynamics, Thermal Expansion, The First Law of Thermodynamics, Heat Transfer Mechanisms, The Kinetic Theory of Gases, Entropy and the Second Law of Thermodynamics.
Credits: 3+1=4; Prerequisite: MAT 100

PHY 102: Physics II
Electric Charge, Coulomb's Law. The Electric Field: Electric Field Lines, The Electric Field Lines Due to a Point Charge, The Electric Field Lines Due to an Electric Dipole, The Electric Field Lines Due to a Line of Charge, The Electric Field Lines Due to a Charged Disk. Gauss's Law: Gauss's Law in Cylindrical, Planar and Spherical Symmetries. Electric Potential: Equipotential Surfaces, Potential Due to an Electric Dipole. Capacitance: Capacitors in Parallel and Series, Capacitors with a Dielectric. Electric Current, Current

Density, Resistance and Resistivity, Ohm's Law. The Magnetic Field, Ampere's Law, Solenoids and Torroids. Faraday's Law of Induction, Alternating Currents, Maxwell's Equations. Polarization, Reflection and Refraction, Total Internal Reflection, Polarization by Reflection. Interference: Young's Interference Experiment, Coherence, Interference from Thin Films, Michelson's Interferometer. Diffraction and the Wave Theory of Light, Diffraction Gratings, X-ray Diffraction. Light Waves and Photons, The Photoelectric Effect, Electrons and Matter Waves, Schrodinger's Equation. Lasers and Laser Light. Insulators, Metals and Semiconductors, Doped Semiconductors, The p-n Junction, LED, The Transistor. The course includes lab works based on theory taught.
Credits: 3+1=4; Prerequisite: MAT 101, PHY 101

STA 101: Introduction to Statistics
Definition and Scope of Statistics, Variables, Levels of Measurements, Qualitative and Quantitative Data, Population and Sample, Construction of Table, Frequency Distribution, Graphical Presentation of Data: Bar Diagram, Pie Diagram, Line Diagram, Frequency polygon, Histogram, Cumulative Frequency Polygon, Scatter Diagrams, Measures of Central Tendency: Arithmetic Mean, Median, Mode, Geometric Mean, Related Positional Measures: Quartile, Percentile and Decile, Measures of Dispersion: Range, Mean Deviation, Variance, Standard Deviation, Skewness and Kurtosis, Basic Concepts of Probability, Probability Laws, Independence, Conditional Probability and Mathematical Expectations, Bayes Theorem, Basic Concepts of Discrete and Continuous Probability Distributions: Binomial, Hypergeometric, Poisson and Normal Distributions, Simple Correlation and Regression.
Credits: 3; Prerequisite: MAT 100.

STA 327: Statistics For Business And Economics
Introduction to modern theory and methodology of statistics in areas of economics and business. Topics include: sampling theory and methodology of sampling distributions and hypothesis testing, contingency tables, multiple regression, analysis of variance, decision theory, index number and time series analysis.
Credits: 3; Prerequisite: MAT 311,STA 101

The MBA Program

The MBA Program is a regular program of East West University designed according to the guidelines of the American Assembly of Collegiate Schools of Business (AACSB). The contemporary and innovative curriculum of MBA is based upon a compelling philosophy of teaching that allows students achieve an excellence in performance. The curriculum encourages students to sharpen their analytical and communication skills placing a balanced emphasis on quantitative and qualitative approaches. Specialized and interdisciplinary courses are designed to focus on building leadership abilities, which will allow the future manager to strategically manage in a growing global and technologically advanced environment.

Program Mission

Enhancing the capabilities of the learner towards training/producing efficient and effective managers is the primary mission of the MBA program of East West University Business School. The program intends to provide students with an integrated understanding of how to manage organizations more effectively and in a socially responsible manner.

Objective

The program intends to develop managers by enhancing their technical competence. They will also be able to have a broader understanding of their roles as agents of change in solving the problems of society and improving social justice. The program thus seeks to:

1. Develop learners understanding of the functional areas of business and develop a general perspective of their interrelationship.
2. Enhance critical thinking and develop interpersonal communication and leadership skills of learners to work effectively with others and lead teams to accomplish objectives.
3. Enhance the ability of learner to identify business opportunities and resolve managerial problems.
4. Help learners understand the dynamics of business operations in an increasingly complex global environment and in responding to the management challenges and choices of that environment.

Length of Program

Students will normally complete the requirements for the MBA degree within two years of their admission. Students may complete the degree earlier by enrolling in more than four subjects each semester

Course Load

The minimum and the maximum course load during a semester will be 8 (eight) and 15 (fifteen) credits, respectively. For special case, permission from the office of the coordinator will be required.

Academic Schedule

The academic year is divided into three semesters: Fall, Spring and Summer. The duration of the semesters will be 14 weeks.

Admission Requirements

Students are admitted in each of the three semesters in a year. Admission to the MBA program is selective. Admission forms are available in the admission office. All prospective students should submit completed application forms within the deadline for submission. To apply for admission, students must fulfill the criteria outlined below.

1. Successful completion of at least a Bachelors degree from a reputed university.
2. A CGPA of at least 2.50 at undergraduate or graduate level or seven points calculated on the basis of following calculation:

Degree	Div/Class	Points
SSC	1st	3
	2nd	2
	3rd	1
HSC	1st	3
	2nd	2
	3rd	1
Bachelors	1st	5
	2nd	3
	3rd	1
Masters	1st/2nd	1
	3rd	0

3. Work experience after graduation in an executive position is preferred, but not essential.

Applications are evaluated on the basis of:

- Prior academic achievements
- Admission test scores

Admission test is waived for candidates who have 550 in TOEFL and 500 in GMAT.

Faculty

The MBA courses will be taught by competent teachers. Courses will also be taught by highly qualified visiting professors from North America, Australia and UK.

Remedial Program

Remedial courses on English and Quantitative Skills must be taken by the candidates who fail to achieve satisfactory result in any one of the admission test areas. The course will be of one semester and the students must secure at least a "C" grade to be considered as a regular student. The courses are equivalent to two credits but will not be considered while calculating the CGPA.

Course Summaries

The EWU MBA Program requires successful completion of 23 courses (60 credit hours). The courses are divided into 4 components:

1. Foundation courses (30 credits)
2. Core area courses (15 credits)

3. Concentration courses (12 credits)
4. Capstone (3 credits)

Foundation Courses:

Required Courses

MBA501 Principle of Accounting	: 2 credits
MBA502 Business Math	: 3 credits
MBA503 Principles of Management	: 3 credits
MBA504 Business Statistics	: 3 credits
MBA505 Managerial Application of Information Technology	: 3 credits
MBA506 Business Communication	: 2 credits
MBA507 Organizational Behavior	: 2 credits
MBA508 Management Accounting	: 2 credits
MBA509 Micro Economics	: 3 credits
MBA510 Macro Economics	: 3 credits

Optional Courses

Any two courses from the following five courses:

MBA511 Research Methods	: 2 credits
MBA512 Legal Environment of Business	: 2 credits
MBA513 Business Ethics	: 2 credits
MBA514 Introduction to Business	: 2 credits
MBA515 Taxation	: 2 credits

Core Areas

The courses will cover all aspects of functional area of business management and provide students with managerial perspective and vision. A total of 5 courses each having 3 credit hours will have to be completed. The following subject areas will be covered.

FIN501	Financial Management
HRM501	Human Resource Management
MKT501	Marketing Management
MKT502	International Business
OPM501	Operations Management

Concentration Courses:

Concentration courses in bank management, finance, human resources, information technology, marketing and operations management will enable students to develop specialization in specific fields. Students are required to complete four courses from one of the concentrations as a major area. Each course carries 3 credits.

Bank Management

FIN502	Investment Theory
BMG503	Financial Institutions
BMG504	Management of Commercial Banks
BMG505	Management of Insurance Companies
BMG506	Central Banking
BMG507	Bank Accounts

Finance

FIN502 Investment Theory
FIN503 Intermediate Financial Management
FIN504 Financial Markets & Institutions
FIN505 International Financial Management
FIN506 Options, Futures, and Other Derivatives
FIN507 Corporate Finance

Human Resources Management

HRM502 Manpower Planning & Personnel Policy
HRM503 Leadership
HRM504 Industrial Relations
HRM505 Entrepreneurship
HRM506 Human Resources Management System
HRM507 Strategic Human Resources Management

Information Technology

MIS501 Database Design and Application Development
MIS502 Advanced Programming
MIS503 Electronic Commerce
MIS504 Computer Networking
MIS505 Systems Analysis and Design

Marketing

MKT503 International Marketing
MKT504 Consumer Behavior
MKT505 Advertising and Promotion Management
MKT506 Services Marketing
MKT507 Channels of Distribution
MKT508 Market Planning and Strategy
MKT509 Export Management
MKT510 Personal Selling and Sales Force Management
MKT511 Brand Management

Operations Management

OPM502 Management Science
OPM503 Technology and Change
OPM504 Total Quality Management
OPM505 Operations Research
OPM506 Logistics Management
OPM507 Inventory Management

Capstone Course

After successful completion of all functional area (Core) courses students integrate the acquired concepts by a process of synthesis accomplished through Business Strategy. This final course carries 3 credits.

MBA600 Strategic Management

Optional Offerings

The students are allowed to do double major. Students may take an additional two courses from a second area, which will be considered as a minor area. The students may pursue an internship semester after completion of all requirements. The internship program will be essentially project based.

Prerequisites

Name of the course	Prerequisite
MBA 511 : Research Method	MBA 502, MBA 504
MBA 508 : Management Accounting	MBA 501
MBA 510 : Macro Economics	MBA 509
MBA 504 : Business Statistics	MBA 502
HRM 501 : Human Resource Management	MBA 503, MBA 507
MKT 502 : International Business	MBA 503, MBA 510
MKT 501 : Marketing Management	MBA 503, MBA 504,509
FIN 501 : Financial Management	MBA 503, MBA 508
OPM 501 : Operations Management	MBA 503, MBA 504
All Concentration Courses	Relevant Core Courses
Capstone Course	All courses

Graduation Requirements

To graduate, students must receive credit for at least 23 courses (60 credit hours) with a minimum Cumulative Grade Point Average (CGPA) of 2.5 on a 4.0 scale.

Students are required to maintain a CGPA of 2.5 throughout the program. Failing to maintain the required CGPA will lead to dismissal from the program. If students fail to raise their CGPA to the required level within two consecutive semesters, they will not be allowed to continue with the MBA program.

Transfer of Credits & Course Waivers

Credit and waiver only for foundation courses may be transferred from other recognized academic institutions provided the following criteria are met:

- The courses taken were for undergraduate (BBA) or graduate credit
- The courses taken were equivalent to an EWU Business School course
- The grade earned was at least 'C' or equivalent.
- The equivalence committee considers the application satisfactory after successfully passing the test.

All applications for transfers must be tendered within 3 days from the beginning of the first semester. The students will be required to deposit as processing fees an amount of Taka two hundred only (non-refundable) for each applied credit. Transfer credits will not be counted to calculate CGPA.

Residency Requirement

Students must complete a minimum of 28 credits at EWU to obtain the MBA degree.

Grading Philosophy
EWU is committed to high academic standards keeping with real world demands for excellence. Academic performance is evaluated using a full range of grades from 'A' through 'F'

Academic progress is reported using the following grades:

A Superior
B Good
C Satisfactory
D Pass
F Failed to meet minimum standard.

Pluses '+' or Minuses '-' may be used at the instructor's discretion however grades 'D-' 'F+' and 'F-' are not used.

The following designators are used when the above letter grades do not apply:

I	Incomplete	WV	Waived Course Requirement
TR	Transfer Credit	AU	Audit
W	Withdraw		

Cumulative Grade Point Averages (CGPAs) are calculated for all students and are based on a 4.00 scale. Points equivalent of grades are as follows.

A	4.00	B-	2.70	D+	1.30
A-	3.70	C+	2.30	D	1.00
B+	3.30	C	2.00	F	0.00
B	3.00	C-	1.70		

Retake Policy
Students with a grade of C and below will be allowed to retake a course only once.

Audit
Audit status is reserved for East West University alumni or students currently enrolled in an East West University program. Prerequisites for audited courses must be completed. Audit students are required to pay ½ of the regular course tuition. Students who audit a course receive a grade of AU. Audit courses may not be converted to credit. Audits are allowed if space is available with priority given to full credit registrations. Audit may apply to the non-degree-seeking students.

Incomplete
Incomplete (I) grade is granted only in exceptional cases, such as, when illness or work-related travel is documented and when substantial course requirements have already been completed. Students must seek approval from both the instructor and the MBA Program Coordinator prior to the regularly scheduled final examination. If remaining course work has not been completed by the end of week 5 of the next semester, grade 'I' automatically becomes grade 'F'.

Withdrawals
Students may withdraw from a course within first five weeks, and receive the designator 'W'. Withdrawals are not allowed after this time. All withdrawal notices must be communicated to

both the Instructor, and the MBA Program Co-ordinator. The amount of refund is related to the date of withdrawal as indicated in the Academic Calendar.

Dismissal

Students are dismissed from the program for failure to make Satisfactory Academic Progress. Students failing to maintain the required CGPA (2.5) in two consecutive semesters will be dismissed. Students dismissed from their program may appeal to the MBA Coordinator for re-admission. Readmission will not be granted without- strong evidence of significant change in student's ability to satisfactorily complete program requirements.

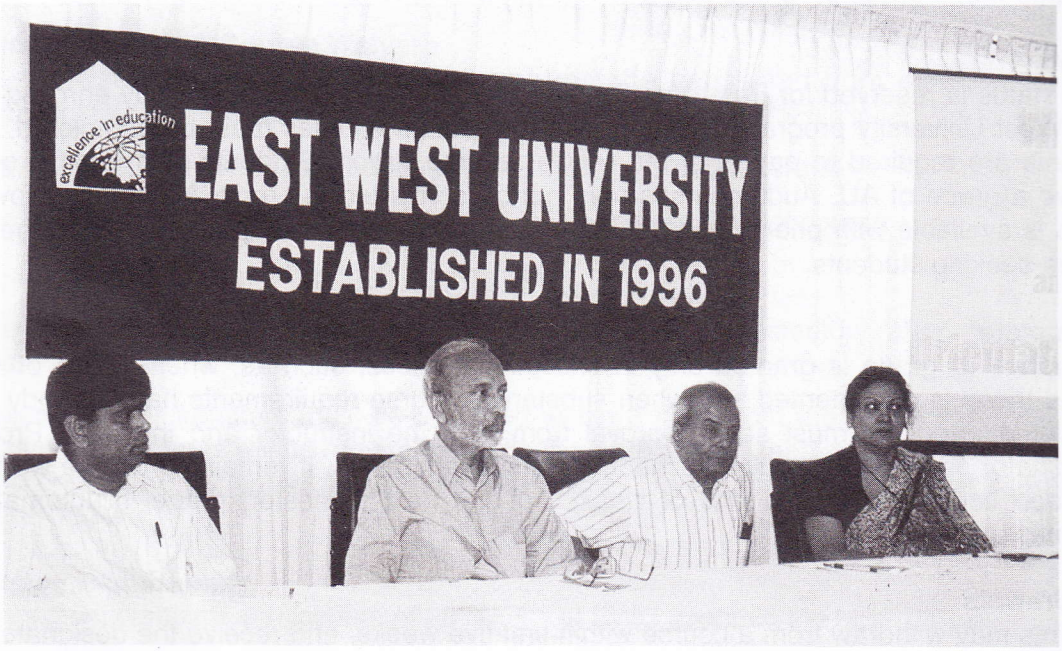
Time Limitations

Students are allowed up to five years from the date of initial enrollment to complete their degree requirements. Under certain circumstances, the time limit may be extended upon request to the MBA Program Coordinator.

Financial Information

Students are required to pay initial admission fee, tuition, and computer lab fee. The current fees are as follows ::

Item	Amount
Admission Fee (non-refundable)	Tk.10,000
Tuition per credit hour	Tk. 3,500
Computer Lab fee (per semester)	Tk. 1,000
Library fee (per semester)	Tk. 500
Students Activities fee (per semester)	Tk. 500



The EMBA Program

The Executive MBA Program of East West University designed according to the guidelines of the American Assembly of Collegiate Schools of Business (AACSB). The contemporary and innovative curriculum of EMBA is based upon a compelling philosophy of teaching that allows students achieve an excellence in performance. The curriculum encourages students to sharpen both their analytical and communication skills-placing a balanced emphasis on quantitative and qualitative approaches. A range of specialized and interdisciplinary courses focus on building leadership abilities and allow managers to manage strategically in a growing global and technologically advanced environment.

Mission

Enhancing a manager's capabilities across functional areas is the primary mission of the Executive MBA program of East West University Business School. The program intends to provide students with an integrated understanding of how to manage organizations more effectively and in a socially responsible manner. This program also creates relevant and rigorous academic experiences, which serve the professional needs of its adult learners through an integration of practical, professional, and ethical components in an innovative and caring environment.

Objective

The program intends to develop managers who are not only technically competent but have a broader understanding of their roles as agents of change in solving the problems of society and improving social justice. It seeks to:

- Enhance the ability of students to identify business opportunities and resolve managerial problems.
- Help students understand the dynamics of business operations in an increasingly complex global environment and in responding to the management challenges and choices of that environment.
- Develop students' understanding of the functional areas of business and develop a general perspective of their interrelationship.
- Enhance critical thinking and develop communication interpersonal and leadership skills of students to work effectively with others and lead teams to accomplish objectives.
- Upgrade their practical experience with the new knowledge.

Length of Program

Students will normally complete the requirements for the Executive MBA degree within two years of their admission. Students may complete the degree in one year and four months by enrolling in four consecutive semesters.

Course Load

An EMBA student is required to register for at least 6 (six) credits during regular semester and 4 (four) credits during summer semester.

Academic Schedule

The academic year is divided into three semesters: Fall, Spring and Summer. Executive MBA Program is offered every semester. The duration for the semesters are: Summer-12

weeks, Fall and Spring- 14 weeks. Classes are conducted during evening hours specially during weekends. Classes start from 6 PM on week days and 3:00 pm on weekends.

Admission Requirements

Students are admitted throughout the year. Admission to the EMBA program is selective. Admission forms are available in the admission office. All prospective students should submit completed application forms within the deadline for submission. To apply for admission, students must fulfill the following criteria:

- Successful completion of at least a Bachelors degree from a reputed university
- Must have at least 2nd division/class in all public exams/CGPA at least 2.50 in Bachelor degree.
- Must have at least 2 years work experience after graduation in an executive position.

Applications are evaluated on the basis of:

- Prior academic achievements
- Admission test scores

Admission test is waived for candidates who have 550 in TOEFL and 500 in GMAT.

Faculty

The faculty members teaching in the Executive MBA Program are among the best in the nation. Almost all of them have Ph.D. from overseas universities. Courses will also be taught by highly qualified visiting professors from North America, Australia and UK.

Course Summaries

The EWU EMBA Program requires successful completion of 20 courses (42 credit hours). Theses courses are divided into 4 components:

1. Foundation course (19 credits)
2. Functional area (16 credits)
3. Concentration (4 Credits)
4. Capstone (3 credits)

Foundation Courses

Nine foundation courses are required. The courses are:

EMBA501	Principle of Accounting	: 2 Credits
EMBA502	Quantitative Methods	: 2 Credits
EMBA503	Principles of Management	: 2 Credits
EMBA504	Research Methodology	: 2 Credits
EMBA505	Managerial Application of Information Technology	: 3 Credits
EMBA506	Business Communication	: 2 Credits
EMBA507	Organizational Behavior	: 2 Credits
EMBA508	Management Accounting	: 2 Credits
EMBA509	Economic Analysis for Managers	: 2 Credits

Functional Areas

Students are required to complete the functional area courses before taking concentration courses. These four different areas will cover all aspects of business management and

provide students with managerial perspective and vision. Students must complete all courses from each of the area.

Marketing Area
EMBA541 Marketing Management – 2 Credits
EMBA542 International Marketing – 2 Credits

Finance Area
EMBA561 Financial Management – 2 Credits
EMBA562 Intermediate Financial Management – 2 Credits

Human Resources Management
EMBA521 Human Resource Management – 2 Credits
EMBA522 Manpower Planning and Personnel Policy- 2 Credits

Operation Management
EMBA571 Operations Management – 2 Credits
EMBA572 Management Science – 2 Credits

Concentration Courses:
Concentration courses in marketing, finance, human resources, operation, and information technology will enable students to develop specialization in specific fields. Students are required to complete two courses from one of the concentration. Each course carries 2 - credits.

Marketing Concentration
EMBA543 Consumer Behavior – 2 Credits
EMBA544 Advertising and Promotion – 2 Credits
EMBA545 Services Marketing – 2 Credits
EMBA546 Channels of Distribution – 2 Credits
EMBA547 Market Planning and Strategy – 2 Credits

Finance Concentration
EMBA563 Investment Theory – 2 Credits
EMBA564 Financial Institutions and Markets - 2 Credits
EMBA565 International Financial Management - 2 Credits
EMBA566 Options, Futures, and Other Derivatives – 2 Credits
EMBA567 Corporate Finance – 2 Credits

Human Resources Management Concentration
EMBA523 Leadership – 2 Credits
EMBA524 Industrial Relations – 2 Credits
EMBA525 Entrepreneurship – 2 Credits

Operation Management
EMBA573 Technology and Change – 2 Credits
EMBA574 Managing Quality – 2 Credits

Information Technology
EMBA581 Database Analysis and Application Development – 2 Credits

EMBA582 Electronic Commerce – 2 Credits
EMBA583 Networking and Operating System – 2 Credits

Capstone Course
After successful completion of all functional area students integrate the acquired concepts through an executive management course. This final course carries 3 credits.

EMBA600 1.Strategic Management – 3 Credits

Prerequisites

Name of the course	Credit hours	Prerequisite
EMBA 504 Research Methodology	2 credits	EMBA 502
EMBA 508 Management Accounting	2 credits	EMBA 501
EMBA 509 Economics Analysis for Manager	2 credits	EMBA 502
EMBA 521 Human Resource Management	2 credits	EMBA 507
EMBA 522 Manpower Planning and Personnel Policy	2 credits	EMBA 521
EMBA 541 Marketing Management	2 credits	EMBA 503
EMBA 542 Marketing Planning & Strategy	2 credits	EMBA 503
EMBA 561 Financial Management	2 credits	EMBA 501, EMBA 508
EMBA 571 Operations Management	2 credits	EMBA 502
EMBA 572 Management Science	2 credits	EMBA 502
EMBA 562 Intermediate Financial Management	2 credits	EMBA 502, EMBA 507
Functional area courses	19 credits	Foundation Courses
Concentration Courses	4 credits	Functional Area Courses

Graduation Requirements
To graduate, students must receive credit for at least 20 courses (42 credit hours) with a minimum Cumulative Grade Point Average (CGPA) of 2.5 on a 4.0 scale.

Students are required to maintain a CGPA of 2.5 throughout the program. Failing to maintain the required CGPA will lead to dismissal from the program. If students fail to raise their CGPA to the required level within two consecutive semesters, they will not be allowed to continue with the EMBA program.

Transfer Credits
Credit for up to one-third of the course requirement may be transferred from other recognized academic institutions provided the following criteria are met:

- The courses taken were for graduate credit
- The courses taken were equivalent to a EWU Business School course
- The grades earned was at least 'B' or equivalent

However, the concentration and Capstone courses must by taken at EWU Business School. Transfer credits will not be counted to calculate CGPA.

Course Waivers
Students with extensive academic or professional experience may petition to waive a course by completing a 'Request for Course Waiver' form. The form must be submitted to the

coordinator of Executive MBA Program with the relevant academic transcripts, a detailed job description or evidence of an appropriate Certification.

Students having completed a 3/4 year Bachelor's degree are eligible for waiver provided that the obtained grade is at least a 'B' or over 50 percent marks in that specific course. Waiver is given to foundation courses only. Course waiver requires approval from equivalence committee.

Residency Requirement
Students must complete 24 credits to earn EWU EMBA degree.

Grading Philosophy
EWU is committed to high academic standards that reflect real world demands for excellence. Academic performance is evaluated using a full range of grades 'A' through 'F' Academic progress is reported using the following grades:

A Superior
B Good
C Satisfactory
D Pass
F Failed to meet minimum standard.

Pluses '+' or Minuses '-' may be used at the instructor's discretion, however grades 'D-' 'F+' and 'F-' are not used.

The following designators are used when the above letter grades do not apply:

I	Incomplete	WV	Waived course requirement
TR	Transfer Credit	AU	Audit
W	Withdraw		

Cumulative grade point averages (CGPAs) are calculated for all students and are based on a 4.00 scale. Pluses and minuses add or subtract, respectively, 0.30 from the figures below. However, 'A+' is equal to 4.0.

A	4.00	B-	2.70	D+	1.30
A-	3.70	C+	2.30	D	1.00
B+	3.30	C	2.00	F	0.00
B	3.00	C-	1.70		

Retake Policy
Students with a grade of C and below will be allowed to retake a course only once.

Audit
Audit status is reserved for East West University alumni or students currently enrolled in a East West University program. Prerequisites for audited courses must be completed. Audit students pay ½ of the regular course tuition. Students who audit a course receive a grade of AU. Audit courses may not be converted to credit. Audits are allowed if space is available with priority given to full credit registrations. Audit may apply to the non-degree-seeking students.

Incomplete
Incomplete (I) grade is granted only in exceptions, such as, when illness or work-related travel is documented and when substantial course requirements have already been completed. Students must seek approval from both the instructor and the EMBA Program

Co-ordinator prior to the regularly scheduled final examination. If remaining course work has not been completed by the end of week 5 of the next semester, grade 'I' automatically becomes grade 'F'.

Withdrawals
Students may withdraw from a course within first five weeks, and receive the designator 'W'. Withdrawals are not allowed after this time. All withdrawal notices must be communicated to both the Instructor, and the EMBA Program Co-ordinator. The amount of refund is related to the date of withdrawal as indicated in the Academic Calendar.

Dismissal
Students are dismissed from the program for failure to make Satisfactory Academic Progress. Students failing to maintain the required CGPA (2.5) in two consecutive semesters will be dismissed. Students dismissed from their program may appeal to the EMBA Co-ordinator for re-admission. Readmission will not be granted without- strong evidence of significant change in student's ability to satisfactorily complete program requirements.

Time Limitations
Students are allowed up to five years from the date of initial enrollment to complete their degree requirements. Under certain circumstances, the time limit may be extended upon request to the EMBA Program Co-ordinator.

Financial Information
Students are required to pay initial admission fee, tuition, and computer lab fee. The current fees are as follows:
Initial Admission Fee Tk.10,000 (non-refundable)
Tuition per credit hour Tk. 4,000
Computer Lab fee (per semester) Tk. 1,000

List of Courses with Description for MBA Program

BMG 503: Financial Institutions

The course is a detailed study of money and capital markets with special emphasis on the study of institutions supplying funds of various categories. Focus will be on the financial institutions, with a view to acquaint the students with potential source of funds of various types, fund utilization and the terms and conditions under which institutions make funds available. It deals with the management of funds of major financial intermediaries like commercial banks, BSB, ICB and other including regional financial institutions like world Bank, IMF, ADB etc. Stock Markets, ICB and other secondary markets are extensively covered.
Credits: 3; Prerequisite: Relevent core courses

BMG 504: Management of Commercial Banks

This course is designed to provide the students with tools and techniques to manage commercial banks. The content of the course included: performance evaluation of a bank, asset-liability management, management of various kinds of risks, such as interest rate risks, and also fund management and investment management.
Credits: 3; Prerequisite: Relevent core courses

BMG 505: Management of Insurance Companies

The course is designed to inculcate the importance of insurance in the minds of the future business executives. The course will cover issues related to life insurance, general insurance, marine insurance, comprehensive insurance and the like. It will also highlight the special place the subject holds as part of the financial institutions.
Credits: 3; Prerequisite: Relevent core courses

BMG 506: Central Banking

The course is designed to help students understand both the monitoring and controlling authority of the central bank as well as to understand the management operation of the central bank with respect to Bangladesh.
Credits: 3; Prerequisite: Relevent core courses

BMG 507: Bank Accounts

Preparation of bank's financial accounts following IAS # 30. Any other related issues concerning Bank Accounts resulting from introduction of IAS # 30.
Credits: 3; Prerequisite: Relevent core courses

FIN 501: Financial Management

This course teaches students the basic financial concepts and tools needed for effective Business Planning. Major topics to be covered include time value of money, cost of capital, security valuation, risk and return, capital budgeting decisions, and the cost of caital.
Credits: 3; Prerequisite: MBA 503, MBA 508

FIN 502: Investment Theory

Investment in financial assets (securities) is the focus of this course. Investment decisions require thorough Analysis of risk and return. An understanding of the tradeoff between risk and return is at the heart of investment decision making process. Topics that will be covered in this course include bond valuation, equity valuation, portfolio diversification, market efficiency and its implications, and capital Asset Pricing Model (CAPM).
Credits: 3; Prerequisite: Relevent core courses

FIN 503: Intermediate Financial Management
This course focuses mainly on short term Financial Management. Topics of this course include financial planning, management of cash accounts receivable, inventories and current liabilities.
Credits: 3; Prerequisite: Relevent core courses

FIN 504: Financial Markets and Institutions
An overview of Bangladeshi and US financial systems and the role of the various markets and institutions is presented. Topics include introduction to various financial systems, supply of and demand for loanable funds, levels and structures of interest rates, government and corporate securities and obligations, and transmission of macro financial policy actions to various sectors of the economy.
Credits: 3; Prerequisite: Relevent core courses

FIN 505: International Financial Management
This course is designed to aquiant students with tools and techniques used to manage the finance function of a multinational Corporation (MNC). Topics included in this course are: financial evironment in which an MNC operates, exhange rate determination, measurement and management of various exchange rate exposure, international capital budgeting, management of short-term assests and liabilities of an MNC. Credits: 3; Prerequisite: Relevent core courses

FIN 506: Options, Futures and other Derivatives
The course focuses on derivative securities, such as, options futures and swaps. Topics included in this course are: an introduction to various types of derivative securities, an understanding of the markets in which derivative securities are traded, different pricing models of options and futures, and the use derivative securities in managing portfolio risk.
Credits: 3; Prerequisite: Relevent core courses

FIN 507: Corporate Finance
This course explores the creative decisions facing financial managers in the modern corporate environment. Deals with the role financial decisions play in optimizing industry performance. Topics include making strategic acquisition, structuring of financial contracts, evaluation of merger candidates, leveraged buyouts, competitive bidding, corporate restructuring and other methods of shareholder value enhancement. Also discusses issues related to corporate capital structure, dividend policy and leasing.
Credits: 3; Prerequisite: Relevent core courses

HRM 501: Human Resource Management
This course provides understanding of personnel and human resource management. It introduces the best practices for attracting, developing, motivating and retaining a workforce. It considers human resource issues such as recruitment and selection, diversity performance evaluation, compensation and reward systems, teams, worker participation programs.
Credits: 3; Prerequisite: MBA 503, MBA 507

HRM 502: Manpower Planning and Personnel Policy
This course is designed to equip the students with the techniques of developing personnel policy and implementation. It includes a detailed study of environmental trend analysis, manpower planning models, manpower needs and personnel information system to forecast manpower needs and considerations of some indicators of manpower effectiveness. Policy

issues considered include work force composition, wage and salary administration in the context of developing countries.
Credits: 3; Prerequisite: Relevent core courses

HRM 503: Leadership
This course deals with theoretical and practical concepts of leadership and management. It examines the complementary qualities of leadership and management factors and their impact on organizational effectiveness and corporate success through case studies.
Credits: 3; Prerequisite: Relevent core courses

HRM 504: Industrial Relations
The course deals with worker-employer conflicts, origin of development of trade union, trade unionism in the subcontinent, theories of union, process of collective bargaining, industrial dispute, grievance handling, strike and lockout, arbitration and labor laws. These are discussed in the context of socio-political and economic situation in Bangladesh. Labor laws of Bangladesh are to be studied in the course.
Credits: 3; Prerequisite: Relevent core courses

HRM 505: Entrepreneurship
This course examines the talents, experience, knowledge, and other resources needed to start a successful growing enterprise. Looks into the ways in which businesses are started and the ways they grow.
Credits: 3; Prerequisite: Relevent core courses

HRM 506: Human Resources Management System
With the growth in the information technology the dependence on information technology in all sphere of management including human resources has increased substantially. This course aims at modernizing and increasing the efficiency of human resources managers through proper use of computer based information.
Credits: 3; Prerequisite: Relevent core courses

HRM 507: Strategic Human Resources Management
The basis of any success of an organization depends on the corporate outlook and the long term human resource planning. This course is exclusively designed to address the issues related to strategic decisions in human resource planning.
Credits: 3; Prerequisite: Relevent core courses

MBA 501: Principles of Accounting
This is an introductory course. The students are acquainted with basic accounting concepts Topics of the course include, basic concepts, principles and techniques used in the generation of accounting data for financial statements preparation. Asset, liability, equity, valuation and income determinations are emphasized.
Credits: 2; Prerequisite: None

MBA 502: Business Math
The course includes elements of algebra, number fields, linear and non-linear inequalities, functions set analytical geometry, logarithm limit, differential and integral calculus, matrix and linear programming. The purpose of the course is to help the students learn mathematical tools, which are used in management studies.
Credits: 3; Prerequisite: None

MBA 503: Principles of Management
The course is designed to provide a general analysis of management, basics of planning, organizing, and controlling, motivation progress, leadership techniques, and interpersonal relations in business and non-business organizations.
Credits: 3; Prerequisite: None

MBA 504: Business Statistics
The course is designed to equip the students with statistical tools and concepts to be used in the business decision processes. Methods of descriptive and Inferential statistics are covered that include measures of central tendency and dispersion, probability distributions, hypothesis testing and their application in the management decision process, testing hypothesis, correlation and regression analysis.
Credits: 3; Prerequisite: MBA 502

MBA 505: Managerial Applications of Information Technology
This course introduces students to the structure and nature of technology in the work place. It also investigates how technology is changing the way we communicate and make decisions. This course also provides an overview of planning and managing technology and information flow in organization.
Credits: 3; Prerequisite: None

MBA 506: Business Communication
This course provides students opportunity to further enhance their communication skills. Course topics include written, oral, visual and nonverbal forms of communication, as well as listening skills. Also focuses on the audience as customers.
Credits: 2; Prerequisite: None

MBA 507: Organizational Behavior
This course provides analysis of work behavior from viewpoint of both behavioral research and managerial practice. It enables students to understand basic issues such as motivation, individual differences and leadership. Students also gain adequate knowledge on how to perform better, improve quality, and operate efficiently.
Credits: 2; Prerequisite: MBA 503

MBA 508: Management Accounting
This course approaches accounting from a managerial and decision making perspective. Topics of this course include: use of cost data in decision-making, planning & controlling; evaluating performance; budget process, and behavioral implications of budgeting; inter-corporate investments; understanding, interpretation and implementation of financial accounting; internal uses of cost information for managerial decisions and operations.
Credits: 2; Prerequisite: MBA 501

MBA 509: Micro Economics
The purpose of Micro Economics is to develop the student's skill in the systematic analysis of the economic aspects of business decisions and to acquaint them with some relevant analytical methods and concepts. The course covers concepts related to analysis of market a seen by producers and consumers and relate them to production pattern, distribution of income and allocation of resource in the context of a market economy.
Credits: 3; Prerequisite: None

MBA 510: Macro Economics
The main focus of this course is to relate maco-economic theories to business decision making.The course starts with concepts of national income accounting, investigates economic aggregates and leads to development of forecasts for business condition analysis.
Credits: 3; Prerequisite: MBA 509

MBA 511: Research Methods
This course is designed to provide students with basic elements of conducting research with special emphasis to business research. Topics include preparing a research proposal, problem formulation, research design, data collection methods and analysis, hypothesis testing (including non-parametric methods), correlation and regression analysis, and analysis of variance.
Credits: 2; Prerequisite: MBA 502, MBA 504

MBA 512: Legal Environment of Business
The course is designed to help the students in learning the application of law to business transactions and their legal responsibility as managers. The course includes those aspects of law as related to business e.g., contract, agency sale of goods, negotiable instruments, insolvency, partnership and labor. Beginning with the nature and sources of business law the students will be required to conceptualize the legal system and relationship in the context of Bangladesh.
Credits: 2; Prerequisite: None

MBA 513: Business Ethics
The course is designed to help future managers understand the importance of ethics in business as an element extremely important for operating in the global market. The course will include all the aspects of business ethics centering on both the local as well as international perspective.
Credits: 2; Prerequisite: None

MBA 514: Introduction to Business
Survey of business, general knowledge of the modern business world, the composition and functions of the business organization, as well as business as a social institution are the major topics discussed in this course.
Credits: 2; Prerequisite: None

MBA 515: Taxation
Examines tax entitles, concept of income, deductions of credits, recognition and non-recognition of gains and losses from disposition of poperty, distributions form and liquidation of the business entity, administration provisions of the tax law, and tax planning.
Credits: 2; Prerequisite: None

MBA 600: Strategic Management
This is the capstone course for the MBA Program. This course discusses functions and responsibilities of senior management; the critical problems that affect success in the total enterprise, and the decisions that determine the direction of the organization and shape its future. The approach of the course is practical and problem oriented. A major part of the course involves applying concepts, frameworks, analytical techniques, and managerial insights to the strategic issues which real world companies face. Cases will be discussed and analyzed from various perspectives. Strategy is the unifying theme is case discussions.
Credits: 3; Prerequisite: All Courses

MIS 501: Database Design and Application Development
Fundamental concepts of database, file organization, file structure, different types of data structure, entity relationship, data normalization, database design, concurrency control, data dictionary, data security, distributed and client/server database, SQL implementation, database development using 4GL tools e.g. Microsoft access, Visual Basic etc.
Credits: 3; Prerequisite: Relevent core courses

MIS 502: Advanced Programming
The course is designed to teach at least one advanced programming language to the students who are likely to associate themselves with the management of information technology.
Credits: 3; Prerequisite: Relevent core courses

MIS 503: Electronic Commerce
The course aims providing students with an understanding of on-line business in the context of today's global business environment. As most businesses compete in a global environment today, a sound business strategy for on-line business is essential to facilitate this. The course will cover key areas of on-line business, including business to business, business to consumer, Internet commerce, EDI, standards, regulation and policy, principles and practices of on-line business security and social and economic issues.
Credits: 3; Prerequisite: Relevent core courses

MIS 504: Computer Networking
The main focus of this course is on the logical and physical design and implementation of computer network. The framework of layered architecture, different protocols, cable types and connectors, network naming and security, wide area networks, network trouble shooting, file systems are major topics studied in this course.
Credits: 3; Prerequisite: Relevent core courses

MIS 505: Systems Analysis and Design
The course is designed to train the students in the methodology and techniques of system analysis including critical path methods, search techniques, waiting lines, linear programming, dynamic programming and Simulation.
Credits: 3; Prerequisite: Relevent core courses

MKT 501: Marketing Management
This course presents a structured approach to understanding and managing marketing function. Topics include market segmentation, targeting and positioning, market research, product decisions, pricing, placing, sales management, advertising, new product development, and marketing budgets.
Credits: 3; Prerequisite: MBA 503, MBA 504, MBA 509

MKT 502: International Business
Focuses on the analysis of the major business management functions of international business environment, organizational policies, and strategies of multinational companies, industrial relations and control policies
Credits: 3; Prerequisite: MBA 503, MBA 510

MKT 503: International Marketing
This course provides an understanding of the problems and perspectives of marketing across national boundaries, and develops the analytical ability for structuring and controlling marketing programs related to overseas business. It focuses on study and analysis of global market and its influence on domestic as well as international marketing.
Credits: 3; Prerequisite: Relevent core courses

MKT 504: Consumer Behavior
This course examines consumer behavior processes using cross-cultural, social and psychological theories and concepts. Questions regarding how consumers are motivated in their consumption and decisions are examined using practical examples and models of behavior. Also addressed are mass communication effects and the role of media and institutions in influencing consumer behavior
Credits: 3; Prerequisite: Relevent core courses

MKT 505: Advertising and Promotion Management
Explores the important issues in making marketing communication decisions. Discusses advertising, reseller stimulation, personal selling, publicity and other tools as a part of an overall promotional mix. Emphasis is placed on understanding psychological principles in consumer behavior that facilitate the development of marketing communication programs.
Credits: 3; Prerequisite: Relevent core courses

MKT 506: Services Marketing
Examines how services organizations differ in many important respects from other business requiring a distinctive approach to marketing strategy, development, and execution. Considers private, public, and not for profit service organizations in Bangladeshi context.
Credits: 3; Prerequisite: Relevent core courses

MKT 507: Channels of Distribution
This course teaches the students how to make decision regarding physical distributions of products to consumers. It addresses channel structures including retail, wholesale and other agency relationships. Emphasis is placed on understanding how to design, implement, manage and evaluate a channel strategy.
Credits: 3; Prerequisite: Relevent core courses

MKT 508: Market Planning and Strategy
This course develops skills in the application of marketing strategy and implementation at the senior management level. It includes strategies to develop sustainable competitive advantages based on analysis of customer decision making and competitor behavior; development of comprehensive marketing plan and implementation of marketing tactics.
Credits: 3; Prerequisite: Relevent core courses

MKT 509: Export Management
This course has been designed to assist the students in understanding the local environment of export business and to be able to deal with both the export regulations as well as the overall marketing perspective of exports. To make it more practical the course will be case dependent.
Credits: 3; Prerequisite: Relevent core courses

MKT 510: Personal Selling and Sales Force Management
The course deals with both the management of sales force as well as the techniques involved in effective personal selling.
Credits: 3; Prerequisite: Relevent core courses

MKT 511: Brand Management
The course is designed to help student design and develop new products and to be able to address the issue of branding. The course deals with the overall product mix including packaging and stresses more the issue of branding and its position in the overall product mix.
Credits: 3; Prerequisite: Relevent core courses

OPM 501: Operations Management
This course provides introduction to philosophy and techniques of production and operations Management. Topics include project planning, risk evaluation, and decisions with regard to resource allocation, materials and inventory, service, scheduling, distribution and facilities.
Credits: 3; Prerequisite: MBA 503, MBA 504

OPM 502: Management Science
This course deals with the contemporary methods of management science. Topics include linear programming. EOQ models, break-even analysis, queuing models, PERT, quality control and transportation models. Case studies and computer analysis may also be used to solve complex problems.
Credits: 3; Prerequisite: Relevent core courses

OPM 503: Technology and change
One of the characteristics of contemporary society has been the increasing rate of technological change and its impact on the world of work. This course examines those significant mileposts in the recent history of technology, which have shaped the modern work place. From this historical basis the possible impact on workers and the society of current and projected technological chances is assessed.
Credits: 3; Prerequisite: Relevent core courses

OPM 504: Total Quality Management
This course focuses on the quality function, its implementation; and cost and management in both manufacturing and service industries. The course provides students with a set of quality concepts and tools and the knowledge required for their application in quality planning quality improvement and quality control.
Credits: 3; Prerequisite: Relevent core courses

OPM 505: Operations Research
The course is designed to train the students in analytical, experimental and quantitative approaches to solution of business problems. Emphasis is placed upon development of techniques, which enable decision-makers to arrive at optimum solutions. Students develop skill in formulating and solving mathematical models dealing with inventory, waiting lines, game theory, linear programming, transportation, dynamic programming simulation and other decision tools.
Credits: 3; Prerequisite: Relevent core courses

OPM 506: Logistics Management
The course is designed to address issues related to transportation and shipment of goods and also maintenance and supervision of logistics required for the overall smooth operation of the day to day activity of the organization.
Credits: 3; Prerequisite: Relevent core courses

OPM 507: Inventory Management
The course teaches the students to manage inventories in the most efficient manner. The raw material, work in process, and the finished goods inventory management in entirety are dealt with. The course is designed to teach the students the science and arts of efficient and cost-effective inventory management.
Credits: 3; Prerequisite: Relevent core courses

An art exhibition by students of EWU being inaugurated by the noted artist Mrs. Asma Kibria

List of Courses with Description for EMBA Program

EMBA 501: Principles of Accounting

This is an introductory course. The students are acquainted with basic accounting concepts Topics of the course include, basic concepts, principles and techniques used in the generation of accounting data for financial statements preparation. Asset, liability, equity, valuation and income determinations are emphasized.
Credits: 2; Prerequisite: None

EMBA 502: Quantitative Methods

The objective of this course is to expose students with basic knowledge in math and statistics. Emphasis is given more in statistics than on mathematics. Topics of this course include: basic math operations, equaitons, introductory differential and integral calculus, basic statistical concepts, such as, data collection, presentation and analysis, probability theory and most commonly used probabilty distributions and sampling distributions, etc.
Credits: 2; Prerequisite: None

EMBA 503: Principles of Management

Provides a general analysis of various aspects of management. The course is designed to include topics, such as, basics of planning, organizing, and controlling, motivation processes, leadership, and interpersonal relations in business and non-business organizations.
Credits: 2; Prerequisite: None

EMBA 504: Research Methodology

This course is designed to provide students with basic elements of conducting a research. Emphasis is given on business research. Topics include: preparing research proposal, problem formulation, research design, data collection-methods and analysis, hypothesis testing (including non-parametric methods), correlation and regression analysis, and analysis of variance. Prerequisite : EMBA 502
Credits: 2; Prerequisite: EMBA 502

EMBA 505: Managerial Applications of Information Technology

This course introduces students to the structure and nature of technology in the work place. It also investigates how technology is changing the way we communicate and make decisions. This course also provides an overview of planning and managing technology and information flow requirements in organization.
Credits: 3; Prerequisite: None

EMBA 506: Business Communication

This course provides students opportunity to further enhance their communication skills. Topics of the course include: written, oral, visual and nonverbal forms of communication as well as listening skills. Also taught is the focusing on the audience as customers.
Credits: 2; Prerequisite: None

EMBA 507: Organizational Behavior

This course provides analysis of work behavior from viewpoint of both behavioral research and managerial practice. It enables students to understand basic issues such as motivation, individual differences and leadership. Students also gain adequate knowledge on how to perform better, improve quality, and operate efficiently.
Credits: 2; Prerequisite: MBA 503

EMBA 508: Management Accounting
This course approaches accounting from a managerial and decision making perspective. Topics of this course include: use of cost data in decision-making, planning & controlling; evaluating performance; budget process, and behavioral implications of budgeting; inter-corporate investments; understanding, interpretation and implementation of financial accounting; internal uses of cost information for managerial decisions and operations.
Credits: 2; Prerequisite: EMBA 501

EMBA 509: Economic Analysis for Managers
This course provides students with basic understanding of managerial economics and the impact of the economic environment of business decision making. The course emphasizes on the application of macro and microeconomic theories in business decision making.
Credits: 2; Prerequisite: EMBA 502

EMBA 521: Human Resource Management
This course provides understanding of personnel and human resource management. It introduces the best practices for attracting, developing, motivating and retaining a workforce. It considers human resource issues,, such as, recruitment and selection, diversity performance evaluation, compensation and reward systems, teams, worker participation programs.
Credits: 2; Prerequisite: EMBA 507

EMBA 522: Manpower Planning and Personnel Policy
This course is designed to equip the students with the techniques of developing personnel policy and implementation. It includes a detailed study of environmental trend analysis, manpower planning models, manpower needs and personnel information system to forecast manpower needs and considerations of some indicators of manpower effectiveness. Policy issues considered include work force composition, wage and salary administration in the context of developing countries. Prerequisite: EMBA 521
Credits: 2; Prerequisite: EMBA 521

EMBA 523: Leadership
This course deals with theoretical and practical concepts of leadership and management. It examines the complementary qualities of leadership and management factors and their impact on organizational effectiveness and corporate success. Case studies are extensively used as instruction materials.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 524: Industrial Relations
The course deals with worker-employer conflicts, origin of development of trade union, trade unionism in the subcontinent, theories of union, process of collective bargaining, industrial dispute, grievance handling, strike and lockout, arbitration and labor laws. These are discussed in the context of socio-political and economic situation in Bangladesh. Labor laws of Bangladesh are to be studied in the course.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 525: Entre-preneurship
This course examines the talents, experience, knowledge, and other resources needed to start a successful growing enterprise. Looks into the ways in which businesses are started and the ways they grow.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 541: Marketing Management
This course presents a structured approach to understanding and managing marketing function. Topics include market segmentation; targeting and positioning; market research, product decisions, pricing, placing, sales management, advertising, new product development, and marketing budgets.
Credits: 2; Prerequisite: EMBA 503

EMBA 542: International Marketing
This course provides an understanding of the problems and perspectives of marketing across national boundaries, and develops the analytical ability for structuring and controlling marketing programs related to overseas business. It focuses on study and analysis of global market and its influence on domestic as well as international marketing.
Credits: 2; Prerequisite: EMBA 541

EMBA 543: Consumer Behavior
This course examines consumer behavior processes using cross-cultural, social and psychological theories and concepts. Questions regarding how consumers are motivated in their consumption decisions are examined using practical examples and models of behavior. Also addressed are mass communication effects and the role of media and institutions in influencing consumer behavior
Credits: 2; Prerequisite: Functional Area Courses

EMBA 544: Advertising and Promotion
Explores the important issues in making marketing communication decisions. Discusses advertising, reseller stimulation, personal selling, publicity and other tools as a part of an overall promotional mix. Emphasis is placed on understanding psychological principles in consumer behavior that facilitate the development of marketing communication programs.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 545: Services Marketing
Examines how services organizations differ in many important respects from other business requiring a distinctive approach to marketing strategy, development, and execution. Considers private, public, and not for profit service organizations in Bangladeshi context.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 546: Channels of Distribution
This course teaches the students how to make decision regarding physical distributions of products to consumers. It addresses channel structures including retailing whole sailing and other agency relationships. Emphasis is placed on understanding how to design, implement, manage and evaluate a channel strategy. Credits: 2; Prerequisite: Functional Area Courses

EMBA 547: Market Planning and Strategy
This course develops skills in the application of marketing strategy and implementation at the senior management level. It includes: strategies to develop sustainable competitive advantages based on analysis of customer decision making and competitor behavior; development of comprehensive marketing plan and implementation of marketing tactics.
Credits: 2; Prerequisite: Prerequisite: EMBA 503 & Functional Area Courses

EMBA 561: Financial Management
This course teaches students the basic financial concepts and tools needed for effective Business Planning. Major topics to be covered include time value of money, cost of capital, security valuation, risk and return, capital budgeting decisions, and cost of capital.
Credits: 2; Prerequisite: EMBA 501, EMBA 508

EMBA 562: Intermediate Financial Management
This course focuses mainly on short term Financial Management. Topics of this course include financial planning, management of cash accounts receivable, inventories and current liabilities.
Credits: 2; Prerequisite: Relevent core courses

EMBA 563: Investment Theory
Investment in financial assets (securities) is the focus of this course. Investment decisions require thorough Analysis of risk and return. An understanding of the tradeoff between risk and return is at the heart of investment decision making process. Topics that will be covered in this course include bond valuation, equity valuation, portfolio diversification, market efficiency and its implications, and capital Asset Pricing Model (CAPM).
Credits: 2; Prerequisite: Functional area courses

EMBA 564: Financial Institutions and Markets
An overview of Bangladeshi and US financial systems and the role of the various markets and institutions is presented as well as the role monetary authorities play in the economy. Topics include introduction to various financial systems, supply of and demand for lovable, funds, levels and structures of interest rates, government and corporate securities and obligations, and transmission of macro financial policy actions to various sectors of the economy.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 565: International Financial Management
This course is designed to aquiant students with tools and techniques used to manage the finance function of a multinational Corporation (MNC). Topics included in this course are: financial evironment in which an MNC operates, exhange rate determination, measurement and management of various exchange rate exposure, international capital budgeting, management of short-term assests and liabilities of an MNC.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 566: Options, Futures and other Derivatives
The course focuses on derivative securities, such as, options futures and swaps. Topics included in this course are: an introduction to various types of derivative securities, an understanding of the markets in which derivative securities are traded, different pricing models of options and futures, and the use derivative securities in managing portfolio risk.
Credits: 2; Prerequisite: Functional area courses

EMBA 567: Corporate Finance Theory
This course explores the creative decisions facing financial managers in the modern corporate environment. Deals with the role financial decisions play in optimizing industry performance. Topics include making strategic acquisition, structuring of financial contracts, evaluation of merger candidates, leveraged buyouts, competitive bidding, corporate

restructuring and other methods of shareholder value enhancement. Also discusses issues related to corporate capital structure, dividend policy and leasing.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 571: Operations Management
This course provides introduction to philosophy and techniques of production and operations Management. Topics include project planning, risk evaluation, and decisions with regard to resource allocation, materials and inventory, service, scheduling, distribution and facilities. A blend of quantitative and qualitative considerations. Credits: 2; Prerequisite: EMBA 502

EMBA 572: Management Science
This course deals with the contemporary methods of management science. Topics include linear programming. EOQ models, break-even analysis, queuing models, PERT, quality control and transportation models. Casestudies and computer analysis may also be used to solve complex problems.
Credits: 2; Prerequisite: EMBA 502

EMBA 573: Technology and change
One of the characteristics of contemporary society has been the increasing rate of technological change and its impact on the world of work. This course examines those significant mileposts in the recent history of technology, which have shaped the modern work place. From this historical basis the possible impact on workers and the society of current and projected technological chances is assessed.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 574: Managing Quality
This course focuses on the quality function, its implementation; and cost and management in both manufacturing and service industries. The course provides students with a set of quality concepts and tools and the knowledge required for their application in quality planning, quality improvement and quality control.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 581: Database Analysis and Application Development
Fundamental concepts of database, file organization, file structure, different types of data structure, entity relationship, data normalization, database design, concurrency control, data dictionary, data security, distributed and client/server database, SQL implementation, database development using 4GL tools e.g. Microsoft access, Visual Basic etc. are studied in this course.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 582: Electronic Commerce
The course aims at providing students with an understanding of on-line business in the context of today's global business environment. As most businesses compete in a global environment today, a sound business strategy for on-line business is essential to facilitate this. The course will cover key areas of on-line business, including business to business, business to consumer, internet commerce, EDI, standards, regulation and policy, principles and practices of on-line business security and social and economic issues.
Credits: 2; Prerequisite: Functional Area Courses

EMBA 583: Networking and Operating System

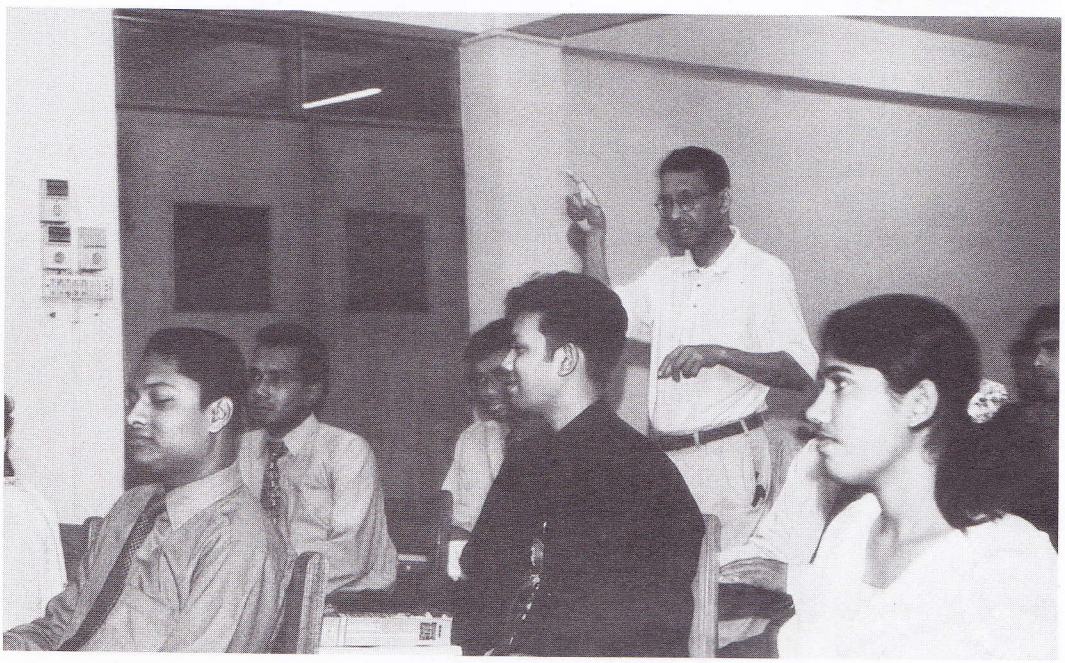
This course focuses on the logical and physical design and implementation of computer network. The framework of layered architecture, different protocols, cable types and connectors, network naming and security, wide area networks, network trouble shooting, file systems of Microsoft NT, installing, fault tolerance, WINNT resources, remote Access, performance monitor, file systems of UNIX, basic commands, editors and shell scripts are studied in this course.

Credits: 2; Prerequisite: Functional Area Courses

EMBA 600: Strategic Management

This is the capstone course for the EMBA Program. This course discusses functions and responsibilities of senior management, the critical problems that affect success in the total enterprise, and the decisions that determine the direction of the organization and shape its future. The approach of the course is practical and problem oriented. A major part of the course involves applying concepts, frameworks, analytical techniques, and managerial insights to the strategic issues which real world companies face. Cases will be discussed and analyzed from various perspectives. Strategy is the unifying theme is case discussions.

Credits: 3; Prerequisite: All Courses



An MBA class in progress

At present the Library has more than 7000 volumes of books. It subscribes to thirty journals, magazines and newsletters.

a) Students and Faculty members have full access to the library.

b) A student can borrow two books at a time for a period of four days.

c) Members of the Academic Council enjoy facilities similar to Faculty members.

d) The Library offers open access to its shelves. Books have a classified shelf arrangement. The Library utilizes CDS/ISIS and software developed by UNESCO, to provide information about the collections of the Library.

e) Current Awareness Services (CAS) are also provided from time to time to Faculty members and students.

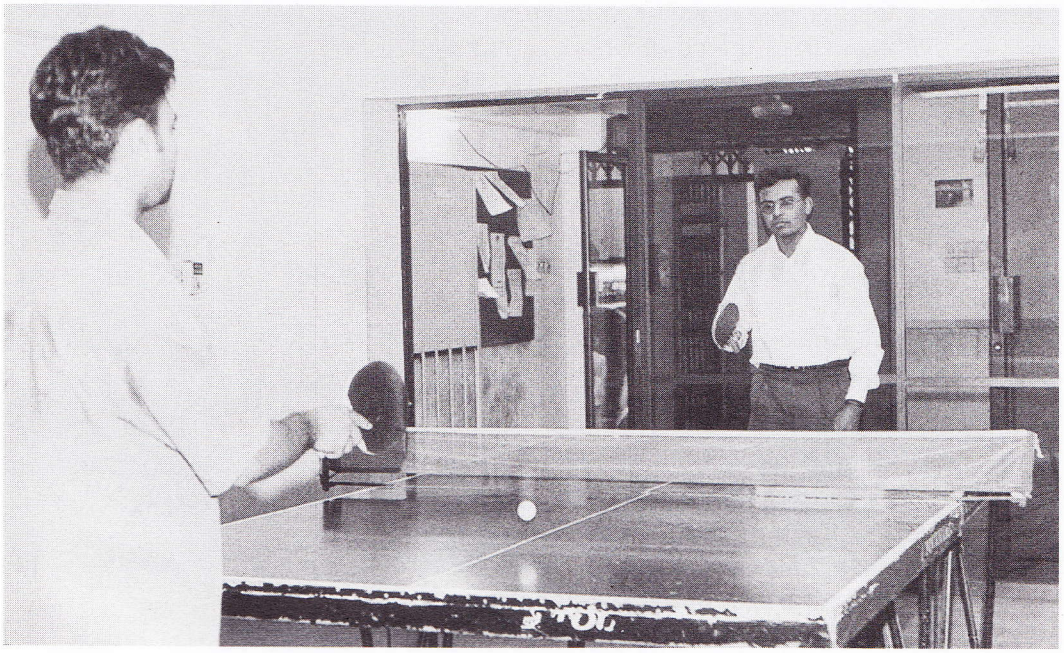
Students in the Library

(i) Classes are held in clean and spacious air-conditioned rooms.
(ii) Well-equipped Computer Labs consisting of more than one hundred work stations.
(iii) Digital Lab for Computer Science and Engineering
(iv) A Language Lab for proficiency in English
(v) Free e-mail and Internet access
(vi) Medical Centre
(vii) Card phone
(viii) Prayer room
(ix) Cafeteria
(x) Study room and
(xi) Separate indoors game facilities room with coloured TV for male and female students.

Student Clubs

East West University is dedicated to the all-round education of its students. This objective is achieved through various student activity clubs:

(i) Computer Club
(ii) Debating Club
(iii) Cultural Club
(iv) Sports Club
(v) Environmental Society
(vi) English Conversation Club
(vii) Business Club



General Conduct

East West University is committed to maintaining proper academic environment in its premises. Students are expected, as enlightened members of the society, to be of good moral character and decent conduct. They should observe the general rules of discipline, honesty, punctuality and respect for the rights of others within the premises. Willful violation of these general rules seriously disturbs the academic environment and undermines the efforts of the university to impart high quality education.

A. Academic Misconduct

i) Cheating at the examination by any method or means.
ii) Helping other students to cheat at the examinations.
iii) Reproducing the work of others as one's own work.
iv) Fabrication or the falsification of any information with the intent to deceive.
v) Forgery, alteration, or misuse of university documents, records and identity cards.

B. Social Misconduct

i) Abusive or disorderly conduct.
ii) Sexual harassment.
iii) Physical assault in any form.
iv) Direct and indirect threat of violence.
v) Verbal, mental, and physical harassment.
vi) Participation in any activity that may disrupt any function of the university

C. Property Damage

i) Willful damage or destruction of the university property.

D. Dangers to Health and Safety

i) Smoking inside university buildings.
ii) Possession or use of alcoholic drinks and drugs.
iii) Possession of sharp weapons and firearms.

E. Disobedience to lawful authority

i) Disobedience, interference, resistance or failure to comply with the direction of an authorized university personnel on duty.
ii) Unauthorized entry.

F. Theft

i) Theft or misappropriation of university funds and materials.
ii) Possession of stolen university property.

G. Penalties

The following are the representative types of penalties and sanctions that may be imposed on a student for violating the code of conduct of the university.

i) Warning in the form of written or verbal notice.
ii) Cancellation of the examination and/or an assignment.
iii) Expulsion for one or more semesters.
iv) Expulsion from the university.

H. Disciplinary Procedure

A Discipline Committee of the University examines the allegations of misconduct, takes evidence from both sides, and recommends penalties to be imposed on the student found guilty.

Discipline Committee

Any act of indiscipline, offence, or grievance committed by a student may be reported to the Proctor of EWU in writing by a student or staff/faculty for necessary action.

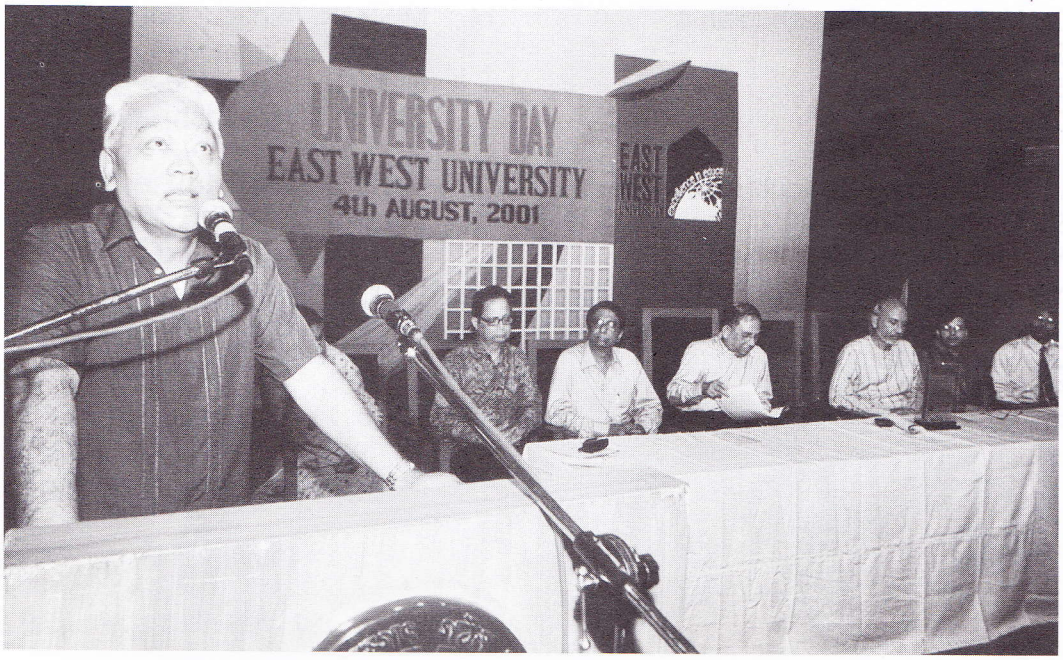
A Discipline Committee will act independently to ascertain facts and submit a report of the findings with recommendations for necessary action.

Academic Honesty

There is a policy of zero tolerance on cheating. Any form of cheating such as copying any document or another person's work, seeking or providing help to other students during tests, or adopting any other form of unfairmeans during exams, will constitute grounds for disciplinary action. Instructors are expected to use reasonably practical means of preventing and detecting cheating. Any student found to be cheating will be reported to the Dean of Faculties by the relevant faculty member for disciplinary action.

Student Identification Cards

All students will receive photo identification cards with their students number. Students must display their ID cards when on campus. This is required for their own safety and the protection of the campus from unauthorized visitors. These cards will be used for various purposes such as entering campus, attending classes, using the library, and in accessing computers in computer labs.



Syed Manzur Elahi, President of EWU,
inaugurating a Cultural Program on University Day

Board of Directors

1. Mr. Jalaluddin Ahmed
   Director
   South-South Centre
   Dhaka, Bangladesh

2. Mr. S.M. Nousher Ali
   Director
   Limo Electronics
   Dhaka, Bangladesh

3. Mr. Farooque B. Chaudhury
   168-27 84 Avenue
   Jamaica Hills, Queens
   New York 11432

4. Dr. Rafiqul Huda Chaudhury
   ILO Adviser on Population Policies and
   Development Strategies
   Kathmandu, Nepal

5. Mr. Syed Manzur Elahi
   Chairman
   Apex Group
   Dhaka, Bangladesh

6. Dr. Mohammed Farashuddin
   Governor
   Bangladesh Bank
   Dhaka

7. Mr. Mohammed Zahidul Haque
   56, Gratton Street
   New Hyde Park Long Island
   N.Y. 110040, USA

8. Dr. Saidur Rahman Lasker
   FAO
   Rome, Italy

9. Dr. Muhammad A. Mannan
   Manager
   Agriculture & Social Sectors
   Department (East)

10. Dr. M. Mosleh Uddin
    UNFPA Representative for Iran
    Tehran
    Islamic Republic of Iran

11. Mr. Shelley A. Mubdi
    150-24, 86 Avenue
    Briarwood N.Y. 11432 USA

12. Mr. M. A. Mumin
    Vice President
    FBCCI
    Dhaka, Bangladesh

13. Dr. Khalilur Rahman
    United Nations
    New York, USA

14. Mr. H. N. Ashequr Rahman
    Managing Director
    Galco Steel (Bd) Ltd.
    Dhaka, Bangladesh

15. Mrs. Razia Samad
    Director
    SEAC Resource Group
    Dhaka, Bangladesh

Academic Council

1.	Vice Chancellor East West University	Chairman
2.	Dean of Faculties East West University	Member
3.	Registrar East West University	Member
4.	Chairperson Dept. of Business Administration East West University	Member
5.	Chairperson Dept. of Computer Science and Engineering East West University	Member
6.	Chairperson Dept. of Communication and Information Technology East West University	Member
7.	Chairperson Department of English East West University	Member
8.	Dr. Sultan Ahmad Professor East West University	Member
9.	Dr. Mohammad Musa Professor East West University	Member
10.	Dr. Md. Mozammel Huq Azad Khan Professor East West University	Member
11.	Dr. Mohammad Shahidullah Professor East West University	Member
12.	Dr. Miftahur Rahman Professor East West University	Member
13.	Mr. Abdul Mannan Professor East West University	Member
14.	Co-ordinator, EMBA/MBA Programme East West University	Member

15.	Professor Wahiduddin Mahmud House # 57, Road # 6A Dhanmondi R/A., Dhaka	Member
16.	Dr. M.A. Mannan Professor of Management Dhaka University	Member
17.	Dr. Md. Zafar Iqbal Professor, Dept. of Computer Science Shahjalal University of Science and Technology, Sylhet	Member
18.	Dr. Nurur Rahman Professor Institute of Business Administration Dhaka University	Member
19.	Dr. Ali Asgar Professor, Department of Physics BUET, Dhaka	Member
20.	Dr. Syed Manzoorul Islam Professor of English Dhaka University	Member
21.	Dr. Mohammad Kaykobad Professor Computer Science, BUET, Dhaka	Member
22.	Mr. S.M. Kamal President, BASIS, Dhaka	Member
23.	Dr. Zarina Rahman Khan Professor Dept. of Public Administration Dhaka University	Member
24.	Mrs. Nilofer Manzur Chairperson, Sunbeans School	Member

Joint Registrar, East West University will act as secretary.

Non-Discrimination
East West University believes that every type of discrimination, whether social or cultural, whether based on race, gender, color, social condition, language or religion, is to be overcome and eradicated.

Disclaimer
The content of this catalogue is subject to change without notice. Every student accepted for registration in the University shall be deemed to have agreed to such deletions, revisions or addition whether made before or after his/her acceptance.

East West University does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services owing to strikes, lockouts, riots, weather, or any other cause beyond reasonable control of the University.

EWU Amar Ekushey Cultural Program

EWU Cultural Evening


EAST WEST UNIVERSITY
ESTABLISHED IN 1996
E
U
W
EAST WEST UNIVERSITY

Published for East West University by the Office of the Registrar
Published on September, 2001
Photographs by M Sayeed Alam
Cover designed by Bitopi Advertisers Ltd
Printed by BRAC Printers, Dhaka, Bangladesh

excellence in educatio

45-46, Mohakhali C/A Dhaka-1212 Tel : 9882308,8811381,8812335 Fax : 88-02-8812336
e-mail : info@ewubd.edu Web Site : www.ewubd.edu