

Prospectus

2009-2010



Eastern Medical College

Kabila (Dhaka-Chittagong Highway)

Comilla

Prospectus



Eastern Medical College

Comilla



▶ Inspection Team of Ministry of Health in the College Campus



▶ Inspection team of the University of Chittagong in the College Campus





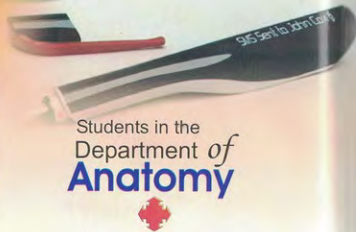
Eastern Medical College Comilla

(Govt. Approved, Recognized by BM & DC and affiliated to the University of Chittagong)



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Eastern Medical College Comilla





MESSAGE FROM THE FOUNDER CHAIRMAN



Health, Wealth & Prosperity are the criteria of a flourishing society. Healthy nation is a wealthy nation. With this noble aim the Founder Directors of Eastern Medical College applied first in the year 2003 to the government seeking permission to establish a private medical college and a modern 250 bed hospital attached to it.

By the grace of almighty Allah we started the classes of 1st year MBBS in Eastern Medical College from July' 2005. The year 2007 is a memorable year for Eastern Medical College with the inauguration of its new campus at Kabila, Comilla which is situated not very far from the capital city Dhaka requiring only 1.5 hours to reach the campus. Our college campus is well planned with Hospital & Faculty building of different departments having enough space which is free from public gathering representing a real medical academic environment.

A good number of medical teachers & best academic fitness are recruited who are presenting the challenging performances. In comparison with other medical colleges in this region we have got the best facilities in the library. Hostel facilities for both boys and girls are appreciable as they are guided by the teachers in the hostel also. Guardians are always informed about the progress of studies and residential behaviors of the student. The board of Directors meets once in a month to look after the punctuality & sincerity of teachers & staffs. We have got up-to-date connection with ministry of Health & Family Welfare, DG Health. The college is affiliated to the University of Chittagong and recognized by BM&DC. All the classrooms are well equipped with teaching materials, audiovisual & computer facilities. The college now possesses a team of highly qualified, experienced & devoted teachers who will produce medical graduates with high ethical values to serve the suffering humanity.

I wish to express my enormous gratitude to all who has given enormous efforts in establishing this college. I am also highly grateful to the present Govt. of People's Republic of Bangladesh who has taken an exceptional step by changing the procedure of admission in all Private Medical Colleges of Bangladesh.

I am sure if we continue our efforts, this college will be able to set an example to the health care system of the nation. May Allah help us.

Shah Md. Selim
Founder Chairman
&
Managing Director



MESSAGE FROM THE PRINCIPAL

Health for all - Is one of the goals of any modern democratic society. It is difficult to achieve this goal with the current ratio of doctors to population of about 1:4500. This proportion should be reduced to 1:500. Only 2000 doctors are graduating yearly from government & private medical colleges. To correct this doctors to population ratio the yearly output should be increased two to three folds. This can only be achieved by establishing more medical colleges both in public & private sectors.

Eastern Medical College is a non-profitable service oriented academic institution which is housed at present in a multistoried building at Race Course (old campus) & Kabila (new campus), Comilla having adequate accommodations for lecture, tutorial & practical classes of various subjects. All the departments are well equipped with teaching materials and highly qualified, experienced teachers. It has a standard conference room and a library with rich collection. The new campus at Kabila, Comilla was hailed as a great blessing by the local public.

I wish to congratulate you who have decided to pursue your studies in medical science. I am sure, those who would be able to study in Eastern Medical College will enter one of the finest Medical College in the country which is committed to impart the best possible professional knowledge. I would like to assure the students who want to get themselves admitted to this college that we shall make every endeavors to provide quality education so that they can become an asset to the nation. Eastern Medical College has facilities to train its students in both rural and urban environments due to which students will be expert in dealing with health problems of both categories.

Finally I express my gratitude to the founder chairman and founder members of this institution for their persistent support in the development of this college & would also like to express my best wishes to the people of this locality.

Professor Dr. Abu Mohammed Nurul Ahad
MBBS, D.Ortho
Principal In charge (Honorary)



MESSAGE FROM THE VICE PRINCIPAL

May Allah bless all of you who have decided to tread the path of medical education.

I am glad to inform you that Eastern medical college is forging ahead with confident steps towards a bright future. I invite you all to join us in this exiting journey. It is now a fourth time that Eastern Medical College has thrown wide open its doors to welcome the next batch of aspiring medicos into its fold.

Obviously the process of training oneself to graduate as a doctor is very hard and strenuous. Here there is no alternative to discipline and hard work. One should be very single minded, with a lot of effort and perseverance, in order to graduate as a competent, compassionate and a complete doctor. We in Eastern Medical College aim to help you realize this dream of yours.

Eastern Medical College is a friendly, lively, dynamic and humane place in which to be a student. This year Eastern Medical College has added a new feather to its cap. It is with great pleasure that we announce the commencement of classes of 3rd, 4th & 5th year MBBS at our new campus at Kabila, Comilla on 15 August, 2009. It is to be mentioned that 1st & 2nd year MBBS classes are already being held at the new campus since 22 October, 2007. The new campus at Kabila, Comilla is all what a student & teachers would dream of. Hostel environment of Eastern Medical College is what one would term as "Home away from home". We at Eastern Medical College are always there for you, at any time of the day or night to parent you, guide you, help you to mould yourself into that perfect human being who is capable of dedicating himself to the service of mankind. Our dedicated, experienced and highly qualified batch of teachers have vowed to make Eastern Medical College a role model of medical institute in Bangladesh. I express my appreciation and thank all the founder members of this institution for their commitment towards the achievement of this common goal.

Professor Dr. Golam Samdani

MD, MS, Ph.D, FACS, FICS

Vice Principal, Professor & Head of the Dept. of Surgery



Founder Chairman of Eastern Medical College & General Secretary of BPMCA Mr. Shah Md. Selim receiving Crest of "Best Organizer" from the Honorable Minister of Health & Family Welfare Prof. A.F.M. Ruhul Hoque during BPMCA Coronation Ceremony'09.



Founder Chairman of Eastern Medical College, Comilla Mr. Shah Md. Selim & Managing Director of A.B Bank Ltd. Mr. Kaiser A. Chowdhury during Loan Agreement Signing Ceremony held on 3 March '09.



► EMC New Campus at Kabila, Comilla



► Study Tour of EMC Batch-1 Saintmartine Island

Eastern Medical College Comilla



▶ Students Working in the Histology & Biochemistry Lab



▶ Lecture Theatre



▶ College Canteen



▶ Students Working in the Physiology Lab



▶ Students of Eastern Medical College during an Anti Drug Campaign held in the College Campus.



▶ Students Browsing on Internet.



**Eastern
Medical
College**
Comilla



FOUNDER DIRECTORS OF EASTERN MEDICAL COLLEGE

01 **Shah Md. Selim**
S/O. Late Md. Sujat Ali
"Shah Dip", 332 Jurpukurpar, Thakurpara, Comilla.

02 **Dr. Rocksana Begum**
W/O. Dr. Musleh Uddin Ahmed, MBBS, MTM
Assoc. Prof. & Vice Principal, Comilla Medical College
70/59 Ka, Nazrul Avenue, Kandirpar, Comilla.

03 **Dr. Md. Abdul Quddus Akhand**
Managing Director
Mukti Hospital, Race Course, Comilla.

04 **Mrs. Syeda Tamanna Begum**
W/O. Dr. Md. Kalim Ullah, MBBS, DLO.
Assoc. Prof. (ENT), Comilla Medical College
148, Nazrul Avenue, Bagichagaon, Comilla-3500

05 **Dr. Kamrun Naher**
MBBS, MCPS, DGO.
Specialist in Obstetric & Gynecology
"Shashata", 939 Jhawtala, Comilla.

06 **Janab Md. Jahangir Bhuiyan**
S/O. Late Abu Md. Julfiqur Haider Bhuiyan
Vill. Kaikhala, P.S. Qusba, Dist. B-Baria.

07 **Mrs. Sabiha**
W/O. Dr. Md. Shahab Uddin. MBBS; FCPS (Medicine)
Assoc. Prof. & Head Dept. of Medicine, Comilla Medical College
"Mohananda". Flat.#2-B, House#-39
Road # 11 (New), Dhanmondi R/A, Dhaka-1209.

08 **Dr. Farzana Samdani alias Mrunalini Sharma**
MD; MOG; Ph.D (Obs. & Gynec)
Specialist in Obstetric & Gynecology
W/O. Prof. Golam Samdani, MD, MS, Ph.D, FACS, FICS.
"Sharma Maternity Care", Madina Masjid Road, 2nd Kandirpar, Comilla.3500.

09 **Dr. Md. Shamsuzzaman**
Assoc. Professor (Orthopaedics)
S/O. Mamtaz Uddin Ahmed
"Nityadham", Thakurpara, Comilla.

10 **Abdur Rouf**
Wet Street 49
2060, Antwerpen, Belgium.

11 **Dr. Zamir Ahmed**
MBBS; FCPS (Paediatrics)
Specialist in Paediatrics
232, Railway Hawkers Market, Muktijodha Sarak, Chandpur

OTHER DIRECTORS

12 **Mrs. Dilruba Rahman**
13/1 Bhordan Bari
Mirpur - 1, Dhaka - 1218.

13 **Prof. Md. Azizul Haque**
MBBS, FCPS (Medicine)
Professor of Medicine
Bismillah House, Laksam Road, Comilla.

14 **Dr. Md. Khorshed Alam**
MD; MCPS; DMRT
Asst. Professor (Radiotherapy)
Cancer Specialist
Block E, Plot 128, Road 9/2, South Banashree, Dhaka.

15 **Dr. Nurjahan Begum**
W/O. Dr. Mizanur Rahman, FCPS (Eye)
"Mizan's Eye Clinic"
Laksam Road, Comilla.

16 **Md. Kamrul Islam**
S/O. Late Sirazul Islam
House 27/B, Road-2, South Khulshi
Chittagong.

5 Years MBBS COURSE

Academic Course

Eastern Medical College offers 5 years MBBS course as approved by the Bangladesh Medical & Dental Council, leading to MBBS degree of the University of Chittagong and one year's internship training at its attached Hospital. The academic session shall be from January to December each year.

The goal of the college is to provide an excellent broad based education with a focus on professional development for the students to equip them with knowledge, skill and attitude necessary not only to address the priority health problems of the community but also to acquire a firm basis for future training and studies.

The college is committed to ensure high academic standard by implementing a well designed curriculum, utilizing modern and effective instructional methods and aids including information technology, providing the right environment for faculty development and by continuously monitoring and rigorously evaluating all the activities and systems.

Organization of 5 years' MBBS Course

0 1½ yr		
1st Term	2nd Term	3rd Term
<ul style="list-style-type: none"> Anatomy Physiology Biochemistry Community Medicine 		First Professional MBBS Exam

During the five years MBBS course, the University of Chittagong will conduct three professional examinations namely i) The First Professional MBBS Examination at the end of 1½ years ii) The Second Professional MBBS Examination at the end of 3½ years and iii) The final Professional MBBS Examination at the end of 5 years. There will be two Professional examinations in the first week of July and January each year.

1½ yr 3½ yr			
4th Term	5th Term	6th Term	7th Term
<ul style="list-style-type: none"> Community Medicine Pharmacology Pathology Microbiology Forensic Medicine 		Second Professional MBBS Exam	

1½ Yr 2½ Yr 3½ Yr 5Yr				
		8th Term	9th Term	10th Term
<ul style="list-style-type: none"> Medicine : Pediatric & other medical specialities Surgery : Ophthalmology & Otolaryngology & Surgical specialities Obstetrics and Gynecology 		Final Professional MBBS Exam		

5 Years MBBS COURSE

GOALS

Medicine is a science with human understanding and warmth; and embraces man, his environment and society. The practice of medicine involves the care of men and women through successive stages of their lives from conception to death as individuals; in families and in society at home and at work; in health and in mental and physical illness of infinite variety and origin. The delivery of appropriate care in these various situations and the multiplicity of clinical specialities which have developed for the purpose, demand that basic graduate education in Medicine which should be of sufficiently high standard in order to enable graduates not only to address priority health concerns of the community but also to acquire a firm basis for future training and studies.

The process of graduate education in Medicine involves the study of many different subjects, but the practice of medicine involves more than mastery of those subjects. It requires the development of certain attitudes and skills and the ability to synthesize and apply them. He must learn to work as part of a Health Team and to function effectively in the society in which he finds himself.

OBJECTIVES

At the end of the Course students shall:

1. Acquire knowledge and understanding of a) the sciences upon which Medicine depends and the scientific and experimental methods; b) the structure, function and normal growth and development of the human body and the workings of the mind and their interaction, the factors which may disturb these, and the disorders of structure and function which may result; c) The etiology, natural history and prognosis of the common mental and physical ailments. Students must have experience of emergencies and a good knowledge of the common diseases of the community and of ageing processes; d) normal pregnancy and childbirth, the commoner obstetric emergencies, the principles to anti-natal and post natal care, and medical aspects of family planning and psycho-sexual counseling; e) the principles of prevention and therapy, including health education, the amelioration of suffering and disability, rehabilitation, the maintenance of health in the old and aged and the care of the dying. f) human relationship, both personal and communal, and the interaction between man and his physical biology and social environment; g) the organization and provision of health care in the community and in hospital, the identification of the need for it, and the economic, ethical and practical constraints within which it operates; and h) the ethical standards and legal responsibilities of the medical profession.

2. Develop the professional skills necessary to:

a) elicit, record and interpret the relevant medical history, symptoms and physical signs, and to identify the problems and how these may be managed; b) carry out simple practical clinical procedures; c) deal with common medical emergencies; d) communicate effectively and sensitively with patients and their relatives; e) communicate clinical informations accurately and concisely, both by word of mouth and in writing, to medical colleagues and to other professionals involved in the care of the patient; and f) use laboratory and other diagnostic and therapeutic services effectively and economically, and in the best interests of these patients;

3. Develop appropriate attitudes to the practice of medicine, which include:

- a) recognition that a blend of scientific and humanitarian approaches is needed in medicine;
- b) a capacity for self education, so that he may continue to develop and extend his knowledge and skills throughout his professional life, and recognize his obligation to contribute if he can to the progress of medicine and to new knowledge;
- c) the ability to assess the reliability of evidence and the relevance of scientific knowledge, to reach conclusion by logical deduction or by experiment, and to evaluate critically methods and standards of medical practice;
- d) a continuing concern for the interests and dignity of his patients;
- e) an ability to appreciate the limitations of his own knowledge, combined with a willingness, when necessary, to seek further help;
- f) the achievement of good working relationships with members of other health care professions.

COURSE EVALUATIONS

a) IN-COURSE EXAMINATIONS: Students are expected to maintain a consistently high standard in their academic work. In-course evaluations will be made through regular periodic class test, quizzes, assignments and mid/end term examinations conducted by individual departments. The mid/end term tests shall include written (Combinations of MCQS, Short questions & Essays), oral & practical/clinical including OSPES and OSCES. The results shall be recorded in students progress report cards / log book. 10% marks of written paper of each subject in the University Professional Examinations will be derived from scores obtained in In-Course evaluations.

No student shall be allowed to sit for Professional MBBS Examinations of the University, unless he/she attends a minimum of 75% of classes held, secures at least 60% marks in class assignments & periodic in-course examinations and demonstrates satisfactory attitude, behavior and conduct.

b) END-COURSE EXAMINATIONS: The University of Chittagong shall conduct three Professional Examinations for 5 years' MBBS Course as follows. There will be two Professional Examinations in the first week of July and January each year. Pass mark will be 60% in each of written, oral and practical / clinical examinations separately.

Examination & Timing	Subject of Examination Marks	Marks					
		Formative Assessment	Written	Oral	Practical	Clinical	Total
1st Professional MBBS Examination (At the end of 1 1/2 years of the Course)	Anatomy	20	180	150	150	-	500
	Physiology	20	180	100	100	-	400
	Biochemistry	20	180	100	100	-	400
	Total						1300
2nd Professional MBBS Examination (At the end of 3 1/2 years of the Course)	Pharmacology	10	90	100	100	-	300
	Forensic Medicine	10	90	100	100	-	300
	Pathology	10	90	100	100	-	300
	Microbiology	10	90	100	100	-	300
	Community Medicine	10	90	100	100	-	300
Total						1500	

5 Years MBBS COURSE

Final Professional MBBS Examination (At the end of 5 years of the Course)	Medicine	20	180	100	100	100	500
	Surgery	20	180	100	100	100	500
	Gynecology & Obstetrics	20	180	150	100	50	500
Total							1500

INTERNSHIP TRAINING:

All students passing the Final Professional Examination shall be required to undergo one year compulsory internship training as prescribed by BMDC at attached hospital.

The training is designed specifically to develop the necessary skills & attitudes to deal with common health problems, to work in hospital and in community; this training will be fully structured and rigorously supervised. The trainees will be entitled to appropriate subsistence allowance/honorarium.

The Internship training is compulsory and a prerequisite for obtaining registration with Bangladesh Medical & Dental Council.

FIRST PROFESSIONAL MBBS COURSE: January 2010 - June 2011

First Professional MBBS Course will be offered during the first years (January 2010-June 2011) of 5 years' MBBS Course. It is divided into 3 Terms, each of 6 months duration. The Departments of Anatomy (650 hrs), Biochemistry (270 hrs), Physiology (380 hrs) and Community Medicine (70 hrs) provide a total of 1370 hours of instructions, which include Lectures, Dissections, Practical Demonstrations and Tutorials.

ORGANIZATION OF THE COURSE

First Term January - June 2010	Second Term July - December 2010	Third Term January 2011 - June 2011
Anatomy General Anatomy Cell Biology and Histology General Developmental Anatomy Gross Anatomy * Thorax * Superior Extremity	Anatomy General Anatomy Systemic Histology General Developmental Anatomy Human Genetics Gross Anatomy; • Abdomen • Inferior Extremity	Anatomy Systemic Histology Systemic Developmental Anatomy Neuroanatomy Gross Anatomy; • Head & Neck • CNS & Eye Ball
Physiology General Physiology Blood Cardiovascular Physiology	Physiology Respiratory Physiology Renal Physiology & Body Fluid Alimentary System	Physiology Endocrine & Reproductive System Nervous System Special Senses
Biochemistry Biophysics & Biomolecules Digestion & Absorption Food, Nutrition & Vitamins	Biochemistry Bioenergetics & Metabolism Body Fluid, Electrolytes & Acid-Base Balance	Biochemistry Clinical Biochemistry Clinical Endocrinology Molecular Biology & Genetics
Community Medicine Introduction to Community Medicine Bio-statistics	Community Medicine Behavioral Science Health Education National & International Health	
End Term Examination	End Term Examination	End Term Examination
EVALUATION OF THE COURSE	The University of Chittagong conducts the First Professional MBBS Examination at the end of 1½ years course in July 2011.	

DEPARTMENT OF ANATOMY

FACULTY

ASSOCIATE PROFESSOR

1. Dr. Md. Abdur Rashid
MBBS, M.Phil (Anatomy)

ASSISTANT PROFESSOR

2. Dr. Dider Hossain Chowdhury
MBBS, M.Phil (Anatomy)

LECTURERS

3. Dr. Md. Alamgir Hossain Bhuiyan, MBBS
4. Dr. Shariful Abedin, MBBS
5. Dr. Md. Anamul Hasan
6. Dr. Mostafizur Rahman, MBBS
7. Dr. Md. Khaza Ahamed, MBBS

COURSE OFFERED

Department of Anatomy offers 650 hours' Course during the first three terms (1½ years) of MBBS Course.

COURSE DESCRIPTION

Anatomy deals with the study of structures of body. Human anatomy exposes the structures of the body and pursues their related disposition by dissection. Surface Anatomy and Radiological Anatomy with improved imaging techniques (X-ray, Ultrasonography, CT Scan, MRI etc.) apply the knowledge from dissection of dead bodies to the living individuals, which has become important for clinical studies. Embryology & Genetics depicts the intra uterine development of human embryos and fetuses. It attempts to explore factors responsible for growth and differentiation of tissues and organs and occasional malformations. Histology deals with normal ultra structure of organs and correlates the structure with function and are compared with the pathological status for the differentiation between the normal and abnormal. Neuroanatomy deals with organization of nervous system and their physiological functions. Clinical Anatomy emphasizes on the application of anatomical knowledge in clinical practice for helping clinicians for reaching correct diagnosis and apply remedial measures.

COURSE OBJECTIVES

At the end of the course in Anatomy, the students shall be able to:
equip themselves with adequate knowledge for understanding the structural components of the body responsible for carrying out normal body functions.

Use the above knowledge to understand and appreciate other subjects taught in the pre-clinical, para-clinical and clinical courses.

Use the knowledge of Anatomy to understand the basis of common clinical conditions and carry out basic research on various fields of Anatomy.

COURSE ORGANIZATION & ACADEMIC CALENDER

Class/ Exam	Hours including class exams (hrs)	First Term January-June 2010	Second Term July-December 2010	Third Term January-June 2011	First Professional MBBS Examination, July 2011
Lecture and Review	120	<ul style="list-style-type: none"> • General Anatomy - 11 hrs • Cell Biology - 06 hrs • General Histology - 16 hrs • General Developmental Anatomy - 14 hrs. 	<ul style="list-style-type: none"> • General Anatomy - 10 hrs • Systemic Histology-08 hrs • General Developmental Anatomy - 02 hrs • Systemic Developmental Anatomy - 10 hrs • Human Genetics - 06 hrs 	<ul style="list-style-type: none"> • General Anatomy - 10 hrs • Systemic Histology - 06 hrs • Systemic Developmental Anatomy - 10 hrs • Neuroanatomy - 20 hrs 	
Demonstration	60	Thorax Card - 08 hrs Sup. Ext. Card - 08 hrs	Abdomen Card - 16 hrs Inf. Ext. Card - 08 hrs	Head and Neck Card - 12 hrs C.N.S & Eyeball - 06 hrs	
Tutorial/Review	60	Thorax Card - 10 hrs Sup. Ext. Card - 10 hrs	Abdomen Card - 16 hrs Inf. Ext. Card - 08 hrs	Head and Neck Card - 10 hrs C.N.S & Eyeball - 6 hrs	
Dissection	290	Thorax Card - 30 hrs Sup. Ext. Card - 34 hrs	Abdomen Card - 86 hrs Inf. Ext. Card - 34 hrs	Head and Neck Card - 76 hrs C.N.S & Eyeball - 30 hrs	
Card Completion Exam.	60	Thorax Card - 10 hrs Sup. Ext. Card - 10 hrs	Abdomen Card - 10 Inf. Ext. Card - 10 hrs	Head and Neck Card - 10 hrs C.N.S & Eyeball - 10 hrs	
Cell Biology & Histology tutorial/ Practical	60.	Card I - 20 hrs	Card II - 20 hrs	Card III - 20 hrs.	
Grand Total	650				

ASSESSMENT IN ANATOMY

FIRST PROFESSIONAL MBBS EXAMINATION, JULY 2011.

Component		Marks	Total Marks
Formative assessment (based on percentage of attendance and in-course assessment)		10+10	20
WRITTEN EXAMINATION			
	Paper - I: MCQ SAQ	20 70	180
	Paper - II: MCQ SAQ	20 70	
ORAL EXAMINATION (Structured)		Hard part Soft part	75 75
PRACTICAL EXAMINATION			
Soft part	Objective structured practical Exam (OSPE) including Spotting exam Dissection Anatomy of Radiology and Imagine	30 30 15	75
Hard part	OSPE including Spotting exam Lucky slides Living Anatomy Practical khata	30 20 20 05	75
Grand Total			500

DEPARTMENT OF PHYSIOLOGY

FACULTY

ASSOCIATE PROFESSOR

1. Dr. Dipok Kumar Sunyal
M.Phil (Physiology)

ASSISTANT PROFESSOR

2. Dr. Shamima Begum
MBBS, M.Phil (Physiology)

LECTURERS

3. Dr. Kamrul Hasan, MBBS
4. Dr. Kazi Mazharul Islam, MBBS
5. Dr. Subrata Kumar Biswash, MBBS
6. Dr. Gias Uddin, MBBS

COURSE OFFERED

Department of Physiology offers 380 hours' Course during first three terms (1 year) of MBBS course.

COURSE DESCRIPTION

Physiology is the Science of normal functions and phenomena of living things. The attributes of life are growth, reproduction, repair and adaptation to varied conditions. The most important characteristics of living beings is that their processes are controlled. Much of physiology is the study of control systems that operate in living beings. The goal of physiology, therefore is to explain the physical and chemical factors that are responsible for the origin, development and progression of life. The course highlights the relevance of basic physiology to clinical practice through use of clinical examples.

COURSE OBJECTIVES

- ✓ At the end of the course in Physiology, students will be able to:
- ✓ Understand the normal functions of human body and utilize them as background for clinical studies.
- ✓ Explain reactions to environment and homeostatic mechanisms.
- ✓ Interpret normal function with a view to differentiate from abnormal function.
- ✓ Demonstrate knowledge and skill to proceed to higher studies and research in physiology in relation to needs and disease profile of the country.
- ✓ Perform and interpret physiology laboratory tests and procedures.

COURSE ORGANIZATION & ACADEMIC CALENDER

Class / Exam	Hours	First Term January-June 2010	Second Term July-December 2010	Third Term January-June 2011
Courses	120	<ul style="list-style-type: none"> • General Physiology (A) • Blood (B) • Cardiovascular Physiology (C) 	<ul style="list-style-type: none"> • Respiratory Physiology (A) • Renal Physiology & Body fluids (B) • Alimentary system (C) 	<ul style="list-style-type: none"> • Endocrinology & Reproduction (A) • Nervous system & Temp regulation (B) • Special senses (C)
Lectures	120	A. 05 hrs B. 15 hrs C. 18 hrs	A. 12 hrs B. 12 hrs C. 10 hrs	A. 20 hrs B. 20 hrs C. 08 hrs
Tutorials	120	A. 05 hrs B. 15 hrs C. 18 hrs	A. 12 hrs B. 12 hrs C. 10 hrs	A. 20 hrs B. 20 hrs C. 08 hrs
Practicals	120	A. 10 hrs B. 40 hrs C. 20 hrs	A. 10 hrs B. 06 hrs C. 04 hrs	A. 04 hrs B. 12 hrs C. 06 hrs
Integrated Teaching	20	A. 02 hrs B. 04 hrs C. 02 hrs	A. 02 hrs B. 02 hrs C. 02 hrs	A. 02 hrs B. 02 hrs C. 02 hrs
Card Completion Examination		Card-1: General Physiology & Blood Card-2: Cardiovascular Physiology Practical Card: 1-2	Card 3: Respiratory Physiology Card 4: Renal Physiology Card 5: Alimentary system Practical Card : 3-5	Card-6: Endocrinology & Reproduction Card-7: Nervous system & Temp regulation Special senses Practical Card: 6-7
Grand Total	380			

First Professional MBBS Examination, July 2011

ASSESSMENT IN PHYSIOLOGY

Summative Assessment (First Professional Examination, July 2011)

Components	Marks	Total Marks	
Formative assessment	10+10	20	
WRITTEN EXAMINATION		180	
Paper - I: MCQ SAQ	20 70		Paper-I 1. General Physiology 2. Blood 3. Cardiovascular 4. Respiratory System 5. Alimentary System
Paper - II: MCQ SAQ	20 70		
			Paper-II 1. Renal Physiology & Body fluid 2. Endocrine & Reproductive 3. Nervous System & Temp Regulation 4. Special Senses

DEPARTMENT OF BIOCHEMISTRY

FACULTY

PROFESSOR

1. Dr. Sultana Parveen
MBBS, M. Phil (Biochemistry)

ASSISTANT PROFESSORS

2. Dr. Ismat Ara Begum
MBBS, M.Phil (Biochemistry)
3. Dr. Md. Ashraf-Uz-Zaman
MBBS, M.D.(Biochemistry)

LECTURERS

4. Dr. Aung Ching Thoai, MBBS
5. Dr. Md. Mir Hossain, MBBS
6. Dr. Mahmud Hasan, MBBS
7. Dr. Smriti Kar, MBBS

COURSE OFFERED

Department of Biochemistry offers 270 hours' course during the first three terms ($1\frac{1}{2}$ years) of MBBS Course.

COURSE DESCRIPTION

Biochemistry deals with the chemical language of life and living processes. The scope of biochemistry is as vast as life itself. Every aspect of life- birth, growth, reproduction, aging and death involves biochemistry. Every moment of life is packed with hundreds of bio-chemical reactions. Advances in biochemistry have tremendous impact on understanding of health and diseases in humans. Applications of the knowledge of biochemistry in the laboratory for the diagnosis of diseases; in the manufacture of products (like insulin, growth hormone, interferon etc) from genetic engineering; and in the possible use of gene therapy have tremendously benefited mankind and their living styles. The course emphasizes the basic and applied aspects of biochemistry as it relates to clinical medicine.

COURSE OBJECTIVES

At the end of the course in Biochemistry the students should be able to :

- Demonstrate basic knowledge on major biomolecular enzymes, hormones and nutrients and of fundamental chemical principles involved in body mechanism upon which life process depends.
- Demonstrate skills in performing and interpreting biochemistry laboratory tests and procedures with emphasis on those used in Bangladesh.
- Demonstrate skills in using the modern biochemical appliances.
- Equip themselves with requisite knowledge for higher studies and research.
- Develop sound attitude towards the need for continuing self education.

COURSE ORGANIZATION & ACADEMIC CALENDER

First Term January - June 2010				
Biophysics and Biomolecular Digestion & Absorption, Food & Nutrition	18 hrs	16 hrs	15 hrs	0 hrs
	14 hrs	15 hrs	10 hrs	2 hrs
Total	32 hrs	31 hrs	25 hrs	2 hrs

Second Term July - December 2010				
Bioenergetics & Metabolism Clinical Endocrinology	28 hrs	25 hrs	10 hrs	2 hrs
	10 hrs	10 hrs	00 hrs	2 hrs
Total	38 hrs	35 hrs	10 hrs	4 hrs

Third Term January - June 2011				
Molecular Biology and Genetics Clinical Biochemistry Renal Biochemistry, Acid base balance, electrolyte balance	10 hrs	10 hrs	00 hrs	00 hrs
	10 hrs	10 hrs	25 hrs	02 hrs
	10 hrs	14 hrs	00 hrs	02 hrs
Total	30 hrs	34 hrs	25 hrs	04 hrs

EVALUATION OF BIOCHEMISTRY

Summative Assessment (First Professional Examination, July 2011)

Components	Marks	Total Marks
Formative assessment	10+10	20
WRITTEN EXAMINATION		
Paper - I: MCQ SAQ	20 70	180
Paper - II: MCQ SAQ	20 70	
PRACTICAL EXAMINATION		
OSPE Traditional methods Practical Note Book	50 40 10	100
ORAL EXAMINATION (Structured)		100
Grand Total		400

DEPARTMENT OF COMMUNITY MEDICINE

FACULTY

PROFESSOR

1. Professor Syed Sharafat Ali
MBBS, DPH, Fellow WHO

ASSISTANT PROFESSOR

2. Dr. Uttam Kumar Ghosh
MBBS, DTMAH (Bangkok), MCTM (Bangkok)
3. Dr. Mosleh Uddin Ahmed
MBBS, MPH.

LECTURERS

4. Dr. Suchana Chakma, MBBS
5. Dr. Taslima Akter, MBBS
6. Dr. Juli Chowdhury, MBBS

COURSE OFFERED

Study of Community Medicine will start from 1st term and extend over six terms of six months each (3 years). In the first three terms (First Professional MBBS Course) Department of Community Medicine will offer 70 hours' introductory course on concepts of Community Medicine, Behavioral Sciences and Biostatistics, which will be followed by comprehensive Community Medicine during 2nd Professional MBBS Course (Term1-4).

COURSE DESCRIPTION

Community Medicine is about a system of delivery of comprehensive health care (preventive, promotive, curative & rehabilitative) to the people by a health team in order to improve the health of the community. It deals with population or groups rather than individual patients. It is concerned with identification and assessment of health needs of the people, health problems affecting them and to devise appropriate measures (planning, organization, delivery and evaluation of health care services) to meet these requirements as best as possible with the available resources. Community Medicine is thus a bridge between public health and clinical medicine. Successful implementation of a Community health program under the leadership of a doctor depends on the mutual co-operation among all grades of health personnels, social workers, community leaders connected with the program and the common team spirit exhibited by them.

Doctors should be prepared to build up an effective partnership for health. It has now been realized that medical education should include knowledge about behavioral science, for such knowledge will enable medical students to appreciate human behavior better and to understand how different cultures construct health & illness. This will prepare doctors to deal more effectively the diseases and human sufferings.

ORGANIZATION OF 70 hrs' COMMUNITY MEDICINE COURSE

DURING FIRST PROFESSIONAL MBBS COURSE (Term 1-3)

First Term January - June 2010	Second Term July - December 2010	Third Term January - June 2011
Community Medicine • Introduction to Community Medicine Lecture: 6 hours, Tutorial: 6 hours • Bio-statistics Lecture: 8 hours, Tutorial: 8 hrs	Community Medicine • Behavioral Science Lecture: 6 hours, Tutorial: 14 hours • Health Education Lecture: 4 hours, Tutorial: 8 hrs	
Total : 28 hours	Total : 42 hours	
End Term Examination	End Term Examination	1st Prof. Exam - July 2011

The important features of the EMC

- Courses Offered : MBBS (University of Chittagong)
- Curriculum : Curriculum approved by Bangladesh Medical & Dental Council and adopted by the Faculty of Medicine, University of Chittagong.
- Academic Year : January to June
- Class Hour : 10.00 am to 5:00 pm.
- Lecture Hall : There are 7 lecture halls in the college with audio visual equipments and adequate laboratory facilities in all departments.
- Library : It has a modern library with medical books having arrangement for teachers and students. The library of EMC has internet access facility. It is registered with Health InterNetwork Access to Research Initiative through World Health Organization. Through this initiative teachers & students of Eastern Medical College, Comilla have online access to one of the world's largest collection of latest medical journals & literatures (more than 4000) offered by leading biomedical publishers.
- College Discipline grounds :
 - Students must observe strict discipline in the college. On disciplinary ground, following penalties may be imposed which will be recorded in the students' transcript testimonial.
 - A warning letter to the students. for the offence.
 - Fines (Amount to be decided depending on the gravity of the offence).
 - Expulsion from the College (Temporarily or permanently depending on the gravity of offence).
- College Administration : Principal is the Executive Head of the College. He is advised by the Academic Council in academic matters.
- College Finance : The College is run on self-financing and non-profit basis. Deficits on capital development if any will be met up by CE&HWF.
- Teachers Guardian Meeting : Academic Council and Guardian will meet at least once in a year. They discuss all aspects of academic matters of the college and suggest measures for improving the academic environment and total improvement of teaching in the college.

11. Admission procedure

- Notice for admission of students into first year class is advertised in the leading Daily News papers. Selection will be made on merit basis through competitive examination conducted by the Directorate of Health Govt. of Bangladesh. The Government approved admission criteria and marks calculation will be followed.
- Application for admission must be made in the prescribed Admission Form attached to the prospectus, obtainable from the office of the Principal.
- Completed application in prescribed form should be submitted to the office of the Principal of Eastern Medical College by the date and time mentioned in the News Paper advertisement.
- The following documents are required to be submitted along with the application for admission.
 - S.S.C Examination Certificate or its equivalent Certificate.
 - Certificate from the Head of the Institution in which the applicant studied last regarding his / her character and extra curricular activities.
 - Certificate of character from a class I Gazetted officer.
 - Certificate of character by appropriate authority.
 - 4 (four) copies of recent passport size photographs. One of these photographs will be returned to the candidate with signature and seal of the authorized officer for use as identity card to be produced when necessary.
 - Acknowledgment slip showing the payment of registration fees for application of admission in the first year MBBS class.
 - Original copies of the above documents are to be produced at the time of interview and admission.

12. Medical Fitness

- After qualifying in the written examination the students shall have to appear before the Medical Board for medical examination. The candidates shall be considered selected for admission into Eastern Medical College if only found medically fit by the Medical Board.

Instruction for the students

1. All students are to attend classes in clean well-dressed white Apron.
2. All students are to carry their "Identity Cards" while they are in the college.
3. Rings, bangles are discouraged as they cause impediments to practical work.
4. Fashionable dresses, untidy hair, slippers are discouraged in the college campus.
5. Environments to be kept clean. Students should throw litters into waste paper basket.
6. Pasting of posters on the walls of the college and the hospital buildings and or hanging of posters in the college and in the hospital premises are prohibited unless permitted by authority. These are considered as acts of indiscipline and offenders are liable to punishment.
7. Smoking is strictly forbidden in the college campus.
8. All types of demonstrations, processions, shouting in the college and hospital premises are prohibited and students involved are liable to be expelled from the college.
9. Abstentions from classes individually or in group or in a mass without prior information/without valid reasons are punishable by imposition of daily fine of Tk. 500/- individually. Guardians will be informed of such acts.
10. Students will state their problems/ grievances/ inconveniences to their Teacher Guide. The Guide will try to solve the problems of the student's himself/herself or refer them to the principal. Statement of the problems/ grievances/inconveniences by the students must be in an orderly and disciplined manner. Any act of indiscipline on the part of any student including usage of abusive words or objectionable words and sentences will make the students liable to be punished by expulsion from the college.
11. Student must not misbehave with the staff or employees of the college or the hospital. Acts of misbehavior are also acts of indiscipline and liable to punishment.
12. The students are expected to maintain the highest standard in their academic activities. Smoking or any sort of addiction is strictly prohibited in the campus.
13. **Bond** : At the time of admission into the college the students and parents/guardians will have to sign a bond that their children/wards will abide by the rules and regulations of the college.
14. Every student shall provide for himself/herself all the prescribed Textbooks, dissection instruments, medical equipments etc. The college will not supply these to the students.
15. In case of illness or other unavoidable reasons for non-attendance, a written statement from the parent/guardian is to be presented to the teachers concerned, who in turn will submit it to the Principal for approval.
16. Cost of loss, damage to college/hospital property is liable to be realized from the student found responsible for the loss, damage.
17. Political activities are strictly prohibited in the college.
18. Students are allowed to use the library. Books will be issued to the students only for reading in the library. Home issue of books to the students is not permitted.
19. All students who have successfully qualified their MBBS degree are to undergo one year Internship Training (Hospital training) as per rules and regulations of BMDC (Bangladesh Medical and Dental Council).

College Fees

1. Course Fee	: Tk. 2,00,000.00
2. Development Fee	: Tk. 4,00,000.00
3. Admission Fee	: Tk. 24,100.00
4. Session Fee (2009-2010) 4.5% VAT included	: Tk. 31,350.00 (Variable)
5. Tuition Fee (4.5% VAT included)	: Tk. 3,135.00 (Variable)

Other Fees :

6. Affiliation Fee	: Tk. 2,500.00 (Variable)
7. University Registration Fee	: Tk. 5,555.00 (Variable)
8. BM&DC Registration Fee	: Tk. 2,500.00
9. Mark Sheet Verification Fee	: Tk. 200.00
10. Games, Sports & Recreational Activities Fee	: Tk. 10,500.00
11. Identity Card Fee	: Tk. 300.00
12. Caution Money	: Tk. 5,000.00
13. Library	: Tk. 10,000.00
14. RFST Fee	: Tk. 3,000.00
15. Miscellaneous Expenditure	: Tk. 31,860.00

Total Payable Amount

Tk. 7,30,000.00

N.B. ■ Session fee per year Tk. 31,350 (4.5% VAT included) payable up to 5th year. Should be paid within January of every year.

- Tuition fees up to 1st Professional Examination is Taka 3,135 per month and from the start of clinical classes -Taka 4,180 per month (Including VAT). Tuition fees are to be paid within 10th of every month. A fine of Taka 15/- per day will be imposed for failure to pay tuition fees in due time.
- Hostel facility(Boys & Girls separately) is also available.
- Hostel admission fee: Tk. 3,000/-; Hostel re-admission fee (if applicable): Tk. 3,000/-
- Food (excluding breakfast) & living: Tk. 3,300/- per month (variable) (to be paid by 7th of every month, otherwise fine will be imposed at a certain rate).
- All fees related to different Professional Exams should be borne by the student.
- Additional yearly session fee will be applicable to students who failed to pass the Final Prof Exam in due time.

** Refundable on completion of the course after deduction of loss or breakages by the students or any other dues from the student as may be applicable as and when required.

CODE OF MEDICAL ETHICS

Ethics is all about ideal human conduct and an understanding of the moral values in which actions are judged as right or wrong; and persons and institutions are judged as praiseworthy or blameworthy.

All medical decisions involve an ethical component in addition to clinical or scientific component. Major ethical issues have arisen from increased respect for patients' rights, financial restraints and new technologies.

Behind medical ethics, must stand such cardinal virtues as wisdom, justice, temperance, courage and benevolence.

Patient's rights

The rights of the patient cover a broad range of moral and legal issues. The following are generally recognized as the rights of the patient;

- i. right to be treated,
- ii. right to privacy
- iii. right to know about the nature of illness and treatment required
- iv. the physician to keep information contained in patient's record confidential unless its release is required by law.
- v. right to have clear idea about medical bills he or she has to pay,
- vi. right to have access to his or her medical records.

Code of medical ethics

Almost up to the present century physicians were trained under an apprenticeship system, and each apprentice was required to take the Oath of Hippocrates. This code of ethics forms the basis of the Declaration of Geneva (1948) and the International Code of Medical Ethics (1949).

International Code of Medical Ethics

The "International Code of Medical Ethics", as adopted by the World Medical Association in London, in October 1949 describes,

a) Duties of Doctors in General

A doctor must always bear in mind the importance of professional conduct. A doctor must not allow himself to be influenced merely by motives of profit.

b) Duties of Doctors to the sick

A doctor must always bear in mind the importance of preserving human life from the time of conception until death.

A doctor owes to his patient absolute secrecy, complete loyalty and all the resources of his science.

c) Duties of Doctors to each other

A doctor ought to behave to his colleagues as he would have them behave to him.

The Oath of Hippocrates

"I swear by Apollo the physician, and Aesculapius, and Health, and All heal, and all the gods and goddesses.

That, According to my ability and judgment, I will keep this Oath and this stipulation - to reckon him who taught me this Art equally dear to me as my parents, to share my substance with him, and relieve his necessities if required; To look upon his offspring in the same footing as my own brothers, and to teach them this Art, if they shall wish to learn it, without fee or stipulation;

And that by precept, lecture, and every other mode of instruction, I will impart a knowledge of the Art to my own sons, and those of my teachers. and to discipline bound by a stipulation and oath according to the law of medicine, but to none others.

I will follow that system of regimen which, according to my ability and judgment, I consider of the benefit of my patients, and abstain from whatever is deleterious and mischievous. I will give no deadly Medicine to any one if asked, nor suggest any such counsel; and in like manner I will not give to a woman a passery to produce abortion.

With purity and with holiness I will pass my life and practice my Art.

I will not cut persons laboring under the stone, but will leave this to be done by men who are practitioners of this work.

Into whatever houses I enter, I will go into them for the benefit of the sick, and will abstain from every voluntary act of mischief and corruption and further from the seduction of females or males, of freedom and slaves.

Whatever, in connection with my professional practice or not in connection with it, I see or hear, in the life of men, which ought not to be spoken of abroad, I will not divulge, as reckoning that all such should be kept secret.

While I continue to keep this oath unviolated, may it be granted to me to enjoy life and the practice of the Art, respected by all men, in all times; But should I trespass and violate this Oath, may the reverse be my lot"

The foregoing Oath of Hippocrates have always been the foundation of all ethical relations in the practice of the art of healing.

Declaration of Geneva

The World Medical Association in Geneva adopted in September, 1948 the following declaration, which is intended to be sworn when a doctor is admitted as member of medical profession:

I solemnly pledge myself to consecrate my life to the service of humanity.

I will give to my teachers the respect and gratitude which is their due.

I will practice my profession with conscience and dignity.

The health of my patient will be my first consideration.

I will respect the secrets, which are confided in me.

I will maintain by all the means the honor and noble tradition of the medical profession.

My colleagues will be my brothers.

I will not permit considerations of religion, nationality, race, part politics or social standing to intervene between my duty and my patient.

I will maintain the utmost respect for human life from the time of conception.

Even under threat I will not use my medical knowledge contrary to the laws of humanity.

I make these promises solemnly, freely and upon my honor".

Cultural Activity

▲ Cultural Programms dedicated to Bengali New Year



▶ Programme in memory of 21st February'09



▶ EMC Batch-1, Tour
Chara Dip Island



► Students celebrating Sharaswati Puja at the College Campus



► Picnic



► EMC-2 Batch in the Picnic Spot at Srimongal, Sylhet.



► Picnic



Lecture Theatre of EMC



Outdoor Block of EMC Hospital



Library of EMC



Eastern Medical College Comilla





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