

CURRICULUM

of

Master of Philosophy (M.Phil) and Doctor of Philosophy (Ph.D)



DEPARTMENT OF ECONOMICS
COMILLA UNIVERSITY

Cumilla- 3506, Bangladesh

December, 2019

Prepared and Published by:

The Curriculum Development Committee

Department of Economics
Comilla University
Cumilla-3506, Bangladesh
December, 2019

Profile of the Department

The department of Economics, Comilla University, started its operation in 2007. It is one of the seven departments with which the University inaugurated its Academic Program. It started its journey with 4 year program of Bachelor of Social Science (BSS) Honours in the academic session 2006-2007 and later launched Master of Social Science (MSS) in Economics program in the academic session 2010- 2011. The department is adjoining to offer MPhil and PhD from academic session 2019-2020.

The department has an enrollment limit to 60 students in each academic year. More than 500 students have so far been graduated from this department and working in different sectors like public service commission, educational institutions, research organizations, banks & financial institutions, business enterprises, etc.

The department has 17 faculty members and 2 non-academic staffs. Number of enrolling students in undergraduate and graduate level is about 350. The academic decisions are taken by the Academic Committee comprised of all faculty members of the department. The decisions are duly endorsed and approved by the Academic Council and Syndicate of the University.

The Department has formed a student club named ‘Economics Club’ in 2011 to conduct extra and co-curricular activities.

Comilla University

Vision: Center of knowledge for enlightened, creative, and competent human resource

Missions: To meet its vision, Comilla University sets its' missions to –

- Offer a full range of degree programs covering bachelor, masters, doctoral, and professional levels to the wide variety of students across the world to acquire existing knowledge and create new;
- Ensure nationally competitive and internationally acknowledged opportunities to provide best teaching – learning environment through continually improve curriculum;
- Enhance labs, resources, and other infrastructures to usher a culture of creation and innovation amongst faculty members and students;
- Develop higher levels of managerial and practical skills and leadership among students through programs, faculty-student interaction, university-industry collaboration, co-curricular and extracurricular activities, and social engagement;
- Nurture an environment, giving space to free thoughts and expressions, wisdom and creation and producing inertly enlightened, philosophically critical and ethically sound humans to bring into positive change for entire humanity.

Department of Economics

Comilla University

Vision

The department of Economics envisions producing quality professionals with critical thinking ability and ethical values providing an appropriate teaching- learning and research environment.

Missions

The Department of Economics, Comilla University, offers a wide range of core and advanced economics courses along with multi-disciplinary and ICT-based courses. It inculcates students with human qualities to shape themselves as competent and resourceful citizens. The department provides an encouraging academic atmosphere to ensure interactive and innovative teaching-learning strategies. Therefore, mission of the department is to facilitate students:

- * To strengthen students ability to analyze all forms of quantitative and qualitative economics;
- * To transmit critical theoretical knowledge in economics to applied economics in practice;
- * To strengthen their analyzing ability and creative thinking;
- * To be equipped with communication skills in English language and ICT;
- * To pursue advanced research on economics.

Strategic Aim and Objectives

The M.Phil & Ph.D program in Economics includes four advanced level courses for the scholars and research fellows to make familiar them with the subject matter as well as in-depth specialized knowledge of economics. With this goal several topics of the courses in this curriculum are designed integrating advanced courses in the field of economics, practical courses and allied contemporary issues on related subjects.

The M.Phil & Ph.D Curriculum and Instruction Manuals prepares aspiring scholars and researchers to meet today's educational challenges in multicultural research environment where innovation, diversity and excellence characterize this program.

COMMITTEE OF COURSES

Chairman

Dr. Md. Shamimul Islam

External Members

Professor Dr. Mohammad Abul Hossain

Professor Dr. Md. Aynul Islam

Professor Dr. Masuda Yasmin

Professor Dr. Abdul Munim Zoarder

Members

Professor Dr. M. Zakir Saadullah Khan

Professor Dr. Md. Aminul Islam Akanda

Dr. Kazi Mohammed Kamal Uddin

Dr. Shapan Chandra Majumder

Muhammad Mosaddek Hossain (*Study Leave*)

Nobinkhor Kundu (*Study Leave*)

Rafia Islam Lina

Asaduzzaman Sikdar

Most. Asikha Aktar (*Study Leave*)

Mohammad Nasir Hossain

Md. Saiful Islam

Sharna Mazumder

Rashed Ahmed

Mst. Noiyan Tara

Rifat Nahrin

Ayesha Aktar

Preparation and Authentication of the Curriculum

After long discussions in a series of meetings, the Academic Committee of the Department of Economics, Comilla University, drafted and approved the curriculum. The course outlines and instructions were developed by the faculty members of the department to place it to the Committee of Courses for finalization. The Committee of Courses in a daylong meeting have given their deliberate opinion on the draft and finalized as duly approved it on 10.07.2019. The Executive Committee of the Faculty of Social Sciences approved it on 26.11.2019 which then approved by the Academic Council and Syndicate of the University on 01.12.2019 and 03.12.2019 respectively.

CURRICULUM

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Master of Philosophy (M.Phil) and Doctor of Philosophy (Ph.D)

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I. Curriculum of the Master of Philosophy (M.Phil) and Doctor of Philosophy (Ph.D)

All those admitted to the M.Phil and Ph.D. programs will be required to do coursework for two semesters and will be evaluated at the end of each semester. Provisional admission of each student to the M.Phil and Ph.D. programme will be confirmed only after successful completion of course work and defense of the thesis topic in a departmental seminar. The Programs will be governed by the detailed provisions of M.Phil and Ph.D. Ordinance of the Comilla University.

The M.Phil. and Ph.D in Economics will consist of two parts. Part I will comprise four full time courses and Part II a dissertation. The four courses in Part I will be of one semester duration each. Part II consists of (i) thesis topic defense; (ii) research progress/ dissertation pre-submission seminar(s); (iii) dissertation; and (iv) a viva-voce on the dissertation. As per the ordinance, fellows require to publish research paper in recognized peer reviewed journals.

Followings are the programs structure that is expected to be completed within standard period of time, but span may be extended within stipulated time period as per ordinance for M.Phil and Ph.D program.

1. Program Structure of M.Phil in Economics

		Credit
	Year-1: Course Works	16.0
	Course Code	Course Title
Semester-I	ECON 711	Advanced Microeconomics and Macroeconomics
	ECON 712	Economics of Development and Underdevelopment
Semester-II	ECON 721	Part-A: Research Methodology
		Part-B: Analysis of Economic Data
	ECON 722	Contemporary Issues in Economics
	Year-2: Thesis (Data collection as appropriate and draft thesis chapters finalized.)	44.0
Semester-III		Defense of the Thesis Topic / Research Proposal
Semester-IV		Seminar: Progress of Research Project
		Submission of Dissertation
		Viva-Voce / Final Defense on the Dissertation
	Total Credit	60.0

2. Program Structure of Ph.D in Economics

			Credit
	Year-1: Course Works		16.0
	Course Code	Course Title	
Semester-I	ECON 711	Advanced Microeconomics and Macroeconomics	4.0
	ECON 712	Economics of Development and Underdevelopment	4.0
Semester-II	ECON 721	Part-A: Research Methodology	2.0
		Part-B: Analysis of Economic Data	2.0
	ECON 722	Contemporary Issues in Economics	4.0
	Year-2 & Year-3: Dissertation		64.0
Semester-III		Defense of the Dissertation Topic / Research Proposal	
Semester-IV		Seminar-1: Progress of Research Project	
Semester-V		Seminar-2: Pre-submission Presentation	
Semester-VI		Submission of Dissertation	
		Viva-Voce / Final Defense on the Dissertation	
		Total Credit	80.0

3. Attendance

Students shall be required to attend the lectures and participate in seminars arranged in the department, and maintain a regular schedule of meetings with their term-paper supervisors. All students are required to attend at least two thirds of the lectures and seminars. *The chairman of the M.Phil committee will assign students to faculty advisers as need be until such time as they write their dissertation proposal.*

4. Examination

The mode of examination for Part I: Course Works will include term papers, class exams, and presentations, as decided by the student advisory committee. In Part II: Research, a student is required to write a dissertation on a subject approved by the Committee of Higher Studies (CHS), under the supervision of the supervisor(s) appointed for the purpose. *Only a student who clears at least two courses in the Part I examination may be allowed to proceed to his/her dissertation work.* A student will be permitted to submit the dissertation only when he/she has passed the examinations in all the courses of Part- I.

The dissertation will be submitted only when the supervisor(s) concerned is/are satisfied that it is worthy of consideration in part fulfillment of the M.Phil. / Ph.D Degree. The application for submission of the dissertation shall also be countersigned by the Head of the Department. The dissertation may include results of original research, a fresh interpretation of existing facts and data, or a review of a critical nature, or may take such other form as may be determined by the CHS. *No student shall be allowed to appear in any part of the examination (Part I/Part II) more than twice.*

A candidate who having fulfilled the attendance requirement and being otherwise eligible to appear at the examination fails, or fails to appear shall be required to appear/reappear for the same on his/her being an ex-student in accordance with the rules prescribed in this behalf.

Evaluation of Results: Students admitted to the M.Phil./ Ph.D will be evaluated in Parts I and II of the M.Phil / Ph.D examination under the standard numerical system.

II. Course Details

ECON 711	Advanced Microeconomics and Macroeconomics	4.0 Credit
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Course Description:

This course introduces key advanced methods and theories of contemporary microeconomics and Macroeconomics. Topics may include the economic behaviour of individual units, in particular consumers and firms; the general equilibrium theory; expected utility and uncertainty; and the fundamentals of the game theory. At the same time, it is also an introduction to dynamic programming in macroeconomics. From the course it will learnt how to model an economy. It will start analysing deterministic macroeconomics models in sequential and recursive formulation.

Aims:

The aim of this course is to provide students with a systematic introduction to central themes and results in advanced microeconomic and macroeconomic theory to address economic policy question and understand the different ways in which economic policy issues can be tackled and the way in which economic policies affect economic performance.

Intended Learning outcomes:

On successful completion of this course students will be able to:

- possess a solid grasp of the mathematics of constrained optimisation and know how to apply it to solve microeconomic problems.
- derive the central results about decision-making by consumers and firms from first principles, understanding the concept of the expected utility model, acquire a basic toolkit from game theory.
- identify and explain the assumptions and structure of standard models in macroeconomics, to interpret and analyse problems in macroeconomics.
- recognise and assess numerical tools to solve rational expectation models and analyse their quantitative prediction.

Course Contents	
Unit	Selected Topics of Microeconomics
1	Demand Analysis: Revision of demand theory by Hicks and Slutsky; Characteristics of goods approach; consumer's choice involving risk; indirect utility functions (duality theory).
2	Alternative Theories of the Firm: Critical evaluation of marginal analysis; Baumol's sales revenue maximization model; Williamson's model of managerial discretion; Marris model of managerial enterprise; Full cost pricing rule; Bain's limit pricing theory; Behavioral model of the firm; Game theoretical models.

3	General Equilibrium: Production without consumption - two sector model; relationship between relative commodity and factor prices (Stolper-Samuelson theorem); relationship between output mix and real factor prices; effect of changes in factor supply in closed economy (Rybczynski theorem); production and consumption.
4	Economics of Uncertainty: Individual behavior towards risk; expected utility and certainty equivalence approaches; risk and risk aversion-sensitivity analysis; gambling and insurance; the economics of insurance; cost and risk; risk pooling and risk spreading; mean-variance analysis and portfolio selection; optimum consumption under uncertainty; competitive firm under uncertainty, factor demand under price uncertainty, the economics of search different models; the efficient market hypothesis; stochastic model of inventory demand; market with incomplete information; search and transaction costs; the economics of information.
	Selected Topics of Macroeconomics
5	Comparative Statics in a Closed Economy: The IS-LM Model; Relative Efficiency of Fiscal and Monetary Policies in an IS-LM model – the Crowding out effect; Unemployment and the Labour Market – the Classical and Keynesian.
6	Macroeconomic Policy: Rational expectations and the theory of macroeconomic policy (Lucas, Sargent-Wallace and Barro); Mundell-Fleming model – Asset market, expectations and exchange rates; Monetary approach to balance of payments.
7	Theory of Inflation: Structuralist theory of inflation; Phillips curve analysis-Short run and long run Phillips curve; Samuelson and Solow-the natural rate of unemployment hypothesis, Tobin's modified Phillips curve; Policies to control inflation.
8	Business Cycle: Theories of Schumpeter, Kaldor, Samuelson; Hicks model; Control of business cycle – relative efficiency of monetary and fiscal policies.

References:

- i. Varian, H. R. (1992). *Microeconomic Analysis*. Norton.
- ii. Colell, M., Green, A. J., and Whinston, M. (1995). *Microeconomic theory*. Oxford University Press.
- iii. Salvatore, D., (2003). *Microeconomics – Theory and Applications*, (4th ed.). Oxford University Press.
- iv. Dornbusch, R., Fischer S., & Startz, R. (2004). *Macroeconomics*, (9th ed.). McGraw-Hill.
- v. Mankiw, N. G. (2009) *Macroeconomics*. Cengage.
- vi. Branson, W. H. (1989). *Macroeconomic Theory and Policy*. (3rd ed.). East-West Press.

ECON 712	Economics of Development and Underdevelopment	4.0 Credit
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Course Description:

Poverty and underdevelopment in many countries are among the main contemporary challenges for humanity. This course provides an in-depth discussion of different economic explanations of underdevelopment, and modern strategies for fostering development. We will investigate the role of institutions, institutional change, and markets as they relate to economic development, and discuss related domestic and international economic policy questions.

Aims:

The course unit aims to promote understanding of the concept of development, the various explanations of the causes of different levels of development and the potential contribution of development economics to the furtherance of economic development and poverty reduction in a global context.

Intended Learning outcomes:

On completion of this module you will be able to:

- (a) Explain the economic characteristics of developing countries and compare a range of perspectives on the causes and potential achievement of sustained economic growth and poverty reduction.
- (b) Use descriptive statistics to interpret the contribution of different factors to the process of economic development; assess the implications of economic policy options for development performance.

Course Contents	
Unit	Subjects of Study
1	The Nature of Economic Development: Concepts and measurement- Human development index- Historical record - Development goals; Approaches to Development Economics.
2	Theories of growth, structural change, and technical progress:
3	The international economy, globalisation and developing countries:
4	Theories of the market and the state:
5	Industrialization and trade strategies:
6	Poverty and income distribution:
7	The development experiences of different regions:

8	Selected Issues in Bangladesh Economy: Agriculture and Industrial Development; Foreign Trade; Fiscal Policy and Fiscal Reforms; Bangladesh Financial System; Challenges and Opportunities of graduation from LDCs.
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References:

- i. Todaro, M. P. (1989). *Economic Development in the Third World*. (7th ed.). Longman.
- ii. Jhingan, M. L. (2003). *The Economics of Development and Planning*. (34th ed.). Vrinda Publication.
- iii. Jones H. G. (1976). *An Introduction to Modern Theories of Economic Growth*. International Student Edition. McGraw Hill.
- iv. Baran, P. A. (1973). *The Political Economy of Growth*. Penguin Books Ltd.
- v. Lindauer, D. L., Perkins, D. H., Radelet, S. & Block, S. A. (2013). *Economics of Development*. (7th ed.). W. W. Norton & Co.

ECON 721	Part-A: Research Methodology	2.0 Credit
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Course Description:

Practical issues in conducting applied economic research. Topics include choosing dissertation/research topics; data sources and methods; presenting, publishing, and refereeing research papers and critical analysis of the literature. Students are required to write and present a research paper to the department in partial fulfillment of the course requirements.

Aims:

This course focuses on integrating knowledge of functional areas of research methodology in economics. The aim of this paper is to acquaint the students with the methodology to be followed in economic research and writing dissertation.

Intended Learning outcomes:

Specifically, at the end of this course, students will be able to:

- (a) Define research; explain and apply research terms; describe the research process and the principle activities, skills and ethics associated with the research process.
- (b) Describe and compare the major quantitative and qualitative research methods in economic research.

- (c) Propose a research study and justify the theory as well as the methodological decisions, including sampling and measurement.
- (d) Construct an effective questionnaire that employs several types of survey questions.

Course Contents	
Unit	Subjects of Study
1	Introduction: Meaning and Approaches of Economic Research; Types of research; Research Methods and Techniques
2	Research Process: Steps in research process; Formulating research problem; Formulating research objectives; Reviewing the Literature.
3	Research Design: Research question; Hypothesis; Model building; Formulation of a Research Proposal; Sample Design - Types of Sampling; Choice of Sampling Techniques, Determination of Sample Size.
4	Data Collection: Nature of Data and Methods of Data Collection; Sources of Secondary Data; Collecting Primary Data; The Questionnaire – Construction of questionnaire; Processing and Analyzing Data.
5	Methodology of Dissertation Writing: Basic Concepts, Science, Plagiarism, The format of the research paper, Basic elements of the scientific Method Documentation, Variety of Theses and Dissertation proposals.

References:

- i. Kumar, R. (2005). *Research Methodology: A Step By Step Guide for Beginners*. (2nd ed.). Sage Publications Ltd.
- ii. Kothari. C. R., (2004). *Research Methodology: Methods and Techniques*. (2nd ed.). New Age International Publisher.
- iii. Islam, M. N. (2011). *An Introduction to Research Methods*. (2nd ed.). Mullick & Brothers.

ECON 721	Part-B: Analysis of Economic Data	2.0 Credit
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Course Description:

This is a course focuses on developing analytical techniques and research skills. Students collaborate to set up a real life economic question, collect appropriate data, analyse the data and report on the question. Topics will include sample surveying, regression and correlation analysis, interval estimation and hypothesis testing.

Aims:

To provide students with practical experience of applied economic research using real life data.

Intended Learning outcomes:

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

- (a) demonstrate an understanding of the use of real world data sets;
- (b) construct and apply a model to such data;
- (c) apply an appropriate set of tests to assess the robustness of their model and
- (d) present their results in an appropriate manner.

Course Contents:	
Unit	Subjects of Study
1	Basic Data Handling: Types of Economic Data and Obtaining Data; Working with Data- Graphical methods and descriptive statistics; Index Number
2	Linear Regression Models: Simple regression; Multiple regression; Statistical aspects of regression; Critical evaluation of classical regression model; Regression with dummy variables.
3	Qualitative Choice Models: The economics of choice and choice probabilities; The Logit model; The Probit model.
4	Time Series Analysis: Univariate Time Series analysis; Regression with Time Series variables- Stationary and nonstationary Time series, Cointegration and Error Correction; Application of Time Series methods in Macroeconomics.
5	Panel Data Regression Models: Pooled OLS; Fixed Effect Model; Random Effect Model.

References

1. Gary Koop, Analysis of Economic Data, 4th Edition, 2013, Wiley.
2. Damodar Gujarati, *Basic Econometrics*, 4th Edition, McGraw Hill.
3. Damodar Gujarati, *Econometrics by Example*, Palgrave Macmillan, 2011.
4. Dimitrios Asteriou and Stephen G. Hall, *Applied Econometrics*, Palgrave Macmillan, 2011.
5. Ben Vogelsang, *Econometrics Theory and Applications with EViews*, 2005.
6. Pindyck and Rubinfeld, *A Computer Handbook Using EViews To Accompany Econometric Models and Economic Forecasts*, 4th Ed., Hiroyuki Kawakatsu, 1998.
7. Jeffrey M. Wooldridge, *Introductory Econometrics: A Modern Approach*, Third Edition, 2006, Thomson / South-Western Press.

ECON 722	Contemporary Issues in Economics	4.0 Credit
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Course Description:

Contemporary Issues is devoted to studying the historical origins and development of domestic and foreign political and social problems that confront contemporary humanity. Possibilities include regional studies (e.g. AIDS in Africa or the state of affairs in the Middle East or Rohingya Crisis of Myanmar), as well as issues of global concern such as North-South relations, environmental issues, the war on terror, world poverty, sustainable development, Foreign Direct Investment and global economic development. Specific topics to explore will be developed in conjunction with the students according to their interests and needs.

Aims:

The aim of this course is to impart the basic knowledge of contemporary economic issues.

Intended Learning outcomes:

At the end of the course the student should be able to:

- Demonstrate a significant understanding of the world current socioeconomic issues
- Compare and contrast the various issues of South Asian economies
- Analyze states and international economic organizations' behavior in a global world
- Discuss current global issues such as states' sovereignty, world economic production, warfare, transnational corporations, (in) justice, (un) democracy, (in) security and their impact not only on world politics as a whole but on you as an individual.

Course Contents:	
Unit	Subjects of Study
1	Economic Development and Transformation: The Formal Economy since 1971; Bangladesh in the International Economy - The Rise of Nontraditional Exports, Global and Regional Issues; Poverty and Economic Change; Development Performance in South Asia.
2	Good Governance/Institutional Quality and Its Effects: Governance Issues in South Asia; Corruption in South Asia: Causes & Consequences.
3	Infrastructure & Development in South Asian Context: i) Infrastructure to Support Inclusive Growth and Poverty Reduction ii) Infrastructure and Inclusive Growth iii) Soft Infrastructure: Role of Policy and Regulation iv) One Belt One Road Initiative - BCIM Economic Corridor Perspective - The Construction Capability, Challenges and the Corresponding Countermeasures of the 21st-Century Maritime Silk Road - India's Policy

	Towards China Under the Mindset of “Assertive Government”- Maritime Silk Road and China’s Indian Ocean Strategy - The Analysis of Trade and Investment Between China and the Regions/Countries along the “Maritime Silk Road”.
4	Rohingya Crisis Impact on Bangladesh Economy: i) The Rohingya Refugee Crisis and Bangladesh-Myanmar Relations ii) Implications of the Rohingya Crisis for Bangladesh – the socio-economic and environmental issues.
5	Economic Crises: Comparative Analysis between Historical and Recent Financial Crises; Role of government in the economy; Living with the burden of Sovereign Debt - Europe and United States.
6	Bangladesh and SDGs: Evaluation of MDGs and Bangladesh’s performance; Challenges and prospects of Bangladesh in achieving SDGs.
7	Climate Change, Environment and Energy Issues: i) Global Warming, Climate Change and Health (ii) Resource Allocation – property rights, endangered species; Pollution controls – Why and How? (iii) Why energy independence; Alternative energy production – wind, solar, ethanol
8	Intellectual Property Rights, TRIPS and their Applications:

References:

- i. David Lewis. (2011). Bangladesh: politics, economy and civil society. Cambridge University Press.
- ii. Shahadat Hossain. (2011). Urban Poverty in Bangladesh: Slum Communities, Migration and Social Integration. I. B. Tauris & Co. Ltd.
- iii. Anjum Siddiqui. (2007). India and South Asia: economic developments in the age of globalization. M.E. Sharpe, Inc., 80 Business Park Drive, Armonk, New York 10504.
- iv. Takatoshi Ito. & Anne O. Krueger. (2000). The Role of Foreign Direct Investment in East Asian Economic Development. The University of Chicago Press.
- v. Sougata Ray, Anup Kumar Sinha, & Shekhar Chaudhuri. (2007). Making Bangladesh A Leading Manpower Exporter: Chasing Dream of US 30\$ Billion Annual Migrant Remittances by 2015. Indian Institute of Management Calcutta, India.
- vi. Rong Wang, & Cuiping Zhu. (Editors) (2016). Annual Report on the Development of the Indian Ocean Region (2015): 21st Century Maritime Silk Road. Social Sciences Academic Press and Springer Science + Business Media Singapore.
- vii. Asian Development Bank. (2012). Infrastructure for Supporting Inclusive Growth and Poverty Reduction in Asia. Mandaluyong City, Philippines.
- viii. Sadiq Ahmed. (2006). Explaining South Asia's Development Success: The Role of Good Policies. The International Bank for Reconstruction and Development, The World Bank, Washington D C.
- ix. Anis Chowdhury, & Wahiduddin Mahmud. (2008). Handbook on the South Asian Economies. Edward Elgar Publishing Limited, UK.

III. Academic Ordinance for the Degree of Master of Philosophy (M.Phil) & Doctor of Philosophy (Ph.D)

(This regulation stems from Section 4 & 21 of the Comilla University Act 2006)

Comilla University (CoU) has the policy to maintain a strong focus on education and researches in science, arts, humanities, social science, law, business administration [Section 4, Comilla University Act 2006]. This regulation allows the University to conduct research degrees and to extend its research activities. Under this Regulation, University offers following research degree programs through its various academic departments of the University:

- A. Master of Philosophy (M.Phil)
- B. Doctor of Philosophy (Ph.D)

Comilla University shall award the MPhil/Ph.D degree in recognition of the successful completion of the Courses of Studies and Research followed by this regulation.

Section A: Master of Philosophy (M.Phil) Program

1. Program and Degree

The degree of Master of Philosophy, hereinafter to M. Phil., will be offered by various academic departments under different faculties with prior approval from the statutory bodies of the Comilla University following semester system of teaching-learning, examination and evaluation.

2. Duration of the Program

The M.Phil program shall extend over a period of not less than four and ordinarily not more than eight semesters. That is, minimum 2 (two) academic years and maximum 4 (four) academic years. One year (2 Semesters) extension may be allowed with special consideration only for submission of Dissertation Paper.

A candidate for M. Phil. shall be required to be registered as a full-time research student for at least one year during the course work (Relaxation may be allowed for Comilla University teachers).

3. Admission

A candidate having Masters Degree in the respective subject or allied subject from any recognized Universities of Bangladesh or abroad and satisfying any of the

following conditions will be eligible for admission to the program of study and research leading to an M. Phil. degree.

3.1 Eligibility for Admission

- 3.1.1 A candidate having Honours and Masters Degree from any recognized university at home or abroad will be eligible for admission to the M.Phil program under different faculties of Comilla University has to satisfy following qualifications.

Faculty	S.S.C/ Equivalent & H.S.C / Equivalent	Bachelor (Honours) & Masters
Science and Engineering	Minimum One 1 st Division or CGPA – 4.0 in 5.0 scale in either examination.	Minimum One 1 st Class or CGPA – 3.5 in 4.0 scale in either level.
Arts & Humanities	Minimum 55% marks in old system or CGPA – 3.5 in 5.0 scale in either examination.	Minimum 50% marks in traditional system or CGPA – 3.25 in 4.0 scale in either level.
Social Science	Minimum 55% marks in old system or CGPA – 3.5 in 5.0 scale in either examination.	Minimum 50% marks in traditional system or CGPA – 3.25 in 4.0 scale in either level.
Business Studies	Minimum One 1 st Division or CGPA – 4.0 in 5.0 scale in either examination.	Minimum One 1 st Class or CGPA – 3.5 in 4.0 scale in either level.

- 3.1.2 No third division/class or CGPA less than 2.75 at any level of studies shall be eligible for admission to M.Phil program.
- 3.1.3 A candidate having Honours and Masters degree from any recognized private university requires additional score (CGPA) of 0.25 to be eligible for admission to M.Phil. program.
- 3.1.4 Teachers of universities and Honors level colleges/Researchers of approved research organizations with three years' experience and one publication in peer reviewed journal are eligible to apply for admission. Such candidates must have passed both S.S.C and H.S.C or equivalent Examinations in second division (with at least 50% marks)/ GPA 3.50 in the scale of 5 and have passed both the Honours and Masters or equivalent Examinations in second class (with at least 50% marks)/ CGPA 3.25 in the scale of 4.
- 3.1.5 Candidates having M.B.B.S./B.D.S. from any government Colleges are eligible for admission into this program.

3.2 Procedure for Application

- 3.2.1 Following an advertisement / notification by the Registrar of Comilla University, a candidate shall apply for admission into M.Phil. Program in a prescribed form and with the recommendations of his/her proposed Supervisor submit it to the Chairman of the respective department with necessary documents.
- 3.2.2 The candidate will also have to submit a research proposal of about 500 words on the proposed field of research along with the application.
- 3.2.3 The Committee for Higher Studies (CHS) of the department shall recommend admission, approve the proposed field of study and name one supervisor and if necessary co-supervisor(s) and shall sent by the Chairman of the department to the registrar through Dean.
- 3.2.4 Committee for Higher Studies (CHS) shall be composed of four senior teachers of the department headed by a Professor / Associate Professor with Ph.D and Chairman of the department shall be the *ex-officio* member. The CHS may hold written or oral test or an interview or / and presentation if deemed.
- 3.2.5 Registrar shall place it before the Board of Advanced Studies (BAS) and the Academic Council. If approved, the applicant shall be admitted and registered in the M.Phil program with prescribed fees.
- 3.2.6 A candidate, who is in service, has to submit at least one year study leave document from his/her authority at the time of joining to the program.

4. Program of Studies

The Degree of Master of Philosophy (M.Phil) shall be awarded by the University on the basis of (a) course work, (b) presentation of seminar(s), (c) submission of a thesis on an approved topic, (d) defense of the thesis and (e) at least one research publication in a peer reviewed journal. The structure and conditions for the program of studies are as follows:

4.1 Course Structure and Examinations

- 4.1.1 A candidate for M. Phil. shall be required to complete 12 – 16 credit courses in the first year (first and second semesters). However, the time may be extended for one more year on the recommendation of the Supervisor and the Committee for Higher Studies (CHS) of the Department concerned. If the student fails to complete the course work within two academic years, the admission shall automatically stand cancelled.

- 4.1.2 The Committee of Courses of the department shall design a common syllabus of courses which shall be approved by the Faculty and the Academic Council. There shall be only one final examination of each course of 100 marks and no before final activities shall be graded.
- 4.1.3 Each course shall be examined by two examiners recommended by the Examination Committee and be approved by the Academic Council. One of the examiners (not below the rank of an Assistant Professor with Ph.D) shall be from a public university other than this University.
- 4.1.4 The minimum pass marks in each written paper and viva-voce are 55% (Grade B-) / GPA 2.75 on the scale of 4.00 separately. The standard Grading system as prescribed by Bangladesh University Grants Commission shall be followed in calculating the GPA.
- 4.1.5 After successful completion of course work, a candidate will proceed on to research work. During the research work candidate requires to make minimum 2 (two) presentation of seminar(s).
- 4.1.6 The research work should be completed and submit the dissertation within one year of the publication of results of course work examination. The time may be extended for one more year with the approval of the Supervisor, the CHS and BAS (subject to holding BAS meeting) and be reported to Academic Council. For every year of extension, student(s) shall pay the session fee and other charges. Under no circumstances, a candidate will be allowed more than two years to complete the thesis.
- 4.1.7 Any change or modification of the title of the thesis must be completed within six month of the publication of course work examination result with approval of the Academic Committee, BAS (subject to holding BAS meeting) and be reported to Academic Council.

4.2 Eligibility Criteria of Supervisor(s)

- 4.2.1 An M.Phil student shall be required to perform his/her research work under the guidance of a supervisor / co-supervisor(s).
- 4.2.2 Professors of this University with at least a second Master degree from abroad and Associate Professors with Doctorate degrees of this University are eligible for acting as supervisor. Professors/ Associate Professors / Assistant Professors of any public university/senior researchers (officers) of equivalent ranks with Doctorate degrees from government research organization are eligible for co-supervising the M.Phil students.
- 4.2.3 No near relations, specified by the examination rules of this University, shall be supervised or examined.

- 4.2.4 A supervisor/co-supervisor can guide not more than five research students (M.Phil and Ph.D taken together) at a time in one academic year.

5. Examinations

5.1 Course Examination Committee

There shall be an Examination Committee for M.Phil/Ph.D course examination. The Examination Committee shall consist of one Chairman, two internal members and one external member from outside the University. The Examination Committee shall be recommended by the Academic Committee of the Department and require to be approved by the Faculty Executive Committee and the Academic Council. Only Professors, Associate Professors and Assistant Professor with Ph.D degree shall be examiners and members of the examination committees.

5.2 Thesis and Oral Examination Committee

- 5.2.1 The thesis for M.Phil. shall be examined by a Board of examiners consisting of:
- Convener** and Examiner - Professor from a Public University other than Comilla University with Ph.D/M.Phil/Second Masters from abroad;
 - Member** & Examiner – Supervisor;
 - One **External Member** & Examiner (at home or from abroad) - Professor / Retired Professor/ Associate Professor from another public University/ Officer from Government Research Organizations with qualifications mentioned in 4.2.
- 5.2.2 One **Alternate External Member** & Examiner having qualification and position similar to 4.2 in case of refusal/unavailability of an external member.
- 5.2.3 The Supervisor shall request the Chairman of the Department to form the examination committee and the Chairman shall take necessary action in this regard through the Academic Committee of the Department.
- 5.2.4 The Controller of Examinations shall appoint the examiners on the recommendation of the Academic Committee of the Department and the Faculty concerned with the approval of the Academic Council.
- 5.2.5 Committee shall be formed after delivering the first seminar.

5.3 Submission of Dissertation

- 5.3.1 The thesis should be submitted, with a certificate from the supervisor stating that the work constitutes a basic and distinct contribution to the subject(s), within one year from the date of publication of the course work examinations result.
- 5.3.2 All M.Phil theses should be written preferably either in English or in Bangla.
- 5.3.3 Six copies of the thesis should be submitted through the Chairman of the Committee of Higher Studies (CHS) of the department concerned. Four copies of the thesis shall be sent to the Controller of Examinations. Controller of Examinations will send three copies to the examiners for evaluation and one copy to be sent to Central Library and one to the seminar library of the department after award of the degree.
- 5.3.4 The candidate will submit thesis examination fees (in the form of pay order payable to Registrar) to the Controller of Examinations office along with the thesis.

5.4 Evaluation of M.Phil. Dissertation and Viva Voce

- 5.4.1 Each thesis shall be examined by all three members of the board of examiners. The examiners shall send their reports in departmental pad in sealed cover to the Controller of the Examinations who will open it before the Chairman of the Board of Examiners.
- 5.4.2 If all examiners report that the thesis is of the standard that justifies an oral examination to defend his/her thesis, the candidate will be allowed to defend his/her thesis. The defense will be conducted at least by two examiners at a place to be decided by the Board of Examiners. The Controller of Examinations in consultation with the Chairman of the Board of Examiners shall fix the place and date of defense and notify the candidate to defend his/her thesis.
- 5.4.3 After the viva-voce /defense, the Convener shall send a full report, signed by all examiners present in the board, to the Controller of Examinations as to whether the candidate shall be awarded the degree or not.
- 5.4.4 If, however, any of the examiners reports that the thesis does not justify the award of the degree, the thesis shall be rejected and notified to the candidate by the Controller of Examinations in consultation with the Chairman of the Board of Examiners.
- 5.4.5 If the examiners recommend the award of the degree with some corrections, the candidate must correct the loopholes/drawbacks of the thesis before the oral examination and the corrected copy of the thesis shall be re-submitted through the supervisor.

- 5.4.6 If the thesis is adequate but the candidate fails to satisfy the Viva-voce Board at the Oral Examination, the Academic Council may on the recommendation of the Board of Examiners permit the candidate to appear at the Oral Examination for a second time within a reasonable period of time. In this case the candidate will pay fees second time as determined by the University Authority.

5.5 Re-submission of Dissertation

- 5.5.1 If the examiners are not unanimous regarding the acceptability of the thesis for the award of the degree, the Convener in consultation with other members of the Board of Examiners shall decide whether the thesis should be rejected or re-submitted with necessary modifications.
- 5.5.2 If decide to re-submit, the candidate must re-submit within one year with addressing suggested modifications.

5.6 Transfer to the Ph.D Program

- 5.6.1 If the supervisor is satisfied with the student's course and research works, a candidate registered for the M.Phil. Program may, on recommendation of the supervisor, relevant Committee of Higher Studies, Faculty, the Board of Advanced Studies and with the approval of the Academic Council, be transferred to the Ph.D. Program with retrospective registration.
- 5.6.2 For such a transfer a candidate must have (i) passed all the required course examinations with letter grade of A- (GP 3.50 out of 4), (ii) published one research article in a reputed peer reviewed journal, and (iv) requisite academic qualification for admission to the Ph.D programme.

5.7 Award of M.Phil. Degree

- 5.7.1 The Vice-Chancellor shall place the final report before the Academic Council and the Academic Council on the unanimous recommendation of the Board of Examiners, shall recommend to the Syndicate for the award of the M.Phil. degree.
- 5.7.2 The Controller of Examinations shall notify the result in accordance with the decision of the Syndicate.

6. This Ordinance shall be effective from the academic session 2019-20.

Section B: Doctor of Philosophy (Ph.D) Program

1. **Program and Degree:** The degree of Doctor of Philosophy, hereinafter to Ph.D., will be offered by various academic departments under different faculties with prior approval from the statutory bodies of the Comilla University following semester system of teaching-learning, examination and evaluation.

2. **Duration of the Program**

A candidate for Ph.D shall be required to be registered as a full-time research student for at least one year. The thesis must be completed within 6 (six) years from the date of registration. But the minimum duration to submit the thesis is 3 (three) years from the date of registration. The registration should be renewed each year paying session fees and other charges. (1+1) years extension may be allowed with special consideration only for submission of Dissertation Paper Such renewals of registration will be processed through Committee for Higher Studies (CHS), Board of Advance Studies (BAS) and Academic Council.

A candidate for Ph.D shall be required to be registered as a full-time research student for at least one year during the course work (Relaxation for Comilla University teachers).

3. **Admission**

- 3.1 **Eligibility for Admission**

- 3.1.1 A candidate having M.Phil / Second Master degree with thesis in the respective subject or allied subject from any recognized Universities of Bangladesh or abroad; or Masters with minimum 3 (three) years teaching (honours level college or university) / research experience and at least two publications in peer reviewed journal and satisfying any of the following conditions will be eligible for admission to the program of study and research leading to an Ph.D degree. Besides a candidate for admission to Ph.D program under different faculties of Comilla University has to satisfy following qualifications.

Faculty	S.S.C/ Equivalent & H.S.C / Equivalent	Bachelor (Honours) & Masters
Science and Engineering	Minimum One 1 st Division or CGPA – 4.0 in 5.0 scale in either examination.	Minimum One 1 st Class or CGPA – 3.5 in 4.0 scale in either level.
Arts & Humanities	Minimum 55% marks in old system or CGPA – 3.5 in 5.0 scale in either examination.	Minimum 50% marks in traditional system or CGPA – 3.25 in 4.0 scale in either level.
Social Science	Minimum 55% marks in old system or CGPA – 3.5 in 5.0 scale in either examination.	Minimum 50% marks in traditional system or CGPA – 3.25 in 4.0 scale in either level.
Business Studies	Minimum One 1 st Division or CGPA – 4.0 in 5.0 scale in either examination.	Minimum One 1 st Class or CGPA – 3.5 in 4.0 scale in either level.

- 3.1.2 No third division/class or CGPA less than 2.75 at any level of studies shall be eligible for admission to Ph.D program.
- 3.1.3 A candidate having Honours and Masters degree from any recognized private university requires additional score (CGPA) of 0.25 to be eligible for admission to Ph.D program.
- 3.1.4 Teachers of universities and Honors level colleges/Researchers of approved research organizations with three years' experience and two publications in peer reviewed journal are eligible to apply for admission. Such candidates must have passed both S.S.C and H.S.C or equivalent Examinations in second division (with at least 50% marks)/ GPA 3.50 in the scale of 5 and have passed both the Honours and Masters or equivalent Examinations in second class (with at least 50% marks)/ CGPA 3.25 in the scale of 4.
- 3.1.5 Candidates having M.B.B.S./ B.D.S. from any government Colleges are eligible for admission into this program.

3.2 Procedure for Application

- 3.2.1 Following an advertisement / notification by the Registrar of Comilla University, a candidate shall apply for admission into Ph.D program in a prescribed form and

with the recommendations of his/her proposed Supervisor submit it to the Chairman of the respective department with necessary documents.

- 3.2.2 The candidate will also have to submit a research proposal of about 500 words on the proposed field of research along with the application.
- 3.2.3 The Committee for Higher Studies (CHS) of the department shall recommend admission, approve the proposed field of study and name one supervisor and if necessary co-supervisor(s) and shall sent by the Chairman of the department to the registrar through Dean.
- 3.2.4 Committee for Higher Studies (CHS) shall be composed of four senior teachers of the department headed by a Professor / Associate Professor with Ph.D and Chairman of the department shall be the *ex-officio* member. The CHS may hold written or oral test or an interview or / and presentation if deemed.
- 3.2.5 Registrar shall place it before the Board of Advanced Studies (BAS) and the Academic Council. If approved, the applicant shall be admitted and registered in the Ph.D program with prescribed fees.
- 3.2.6 A candidate, who is in service, has to submit at least one year study leave document from his/her authority at the time of joining to the program.

4. Program of Studies

The Degree of Doctor of Philosophy (Ph.D) shall be awarded by the University on the basis of (a) course work, (b) presentation of seminar(s), (c) submission of a thesis on an approved topic, (d) defense of the thesis, and (e) at least two research publication in peer reviewed journal. The structure and conditions for the program of studies are as follows:

4.1 Course Structure and Examinations

- 4.1.1 A candidate for Ph.D shall be required to complete 12 – 16 credit courses in the first year (first and second semesters). However, the time may be extended for one more year on the recommendation of the Supervisor and the Committee for Higher Studies (CHS) of the Department concerned. If the student fails to complete the course work within two academic years, the admission shall automatically stand cancelled.
- 4.1.2 The Committee of Courses of the department shall design a common syllabus of courses which shall be approved by the Faculty and the Academic Council. There shall be only one final examination of each course of 100 marks and no before final activities shall be graded.

- 4.1.3 Each course shall be examined by two examiners recommended by the Examination Committee and be approved by the Academic Council. One of the examiners (not below the rank of an Assistant Professor with Ph.D) shall be from a public university other than this University.
- 4.1.4 The minimum pass marks in each written paper and viva-voce are 55% (Grade B-) / GPA 2.75 on the scale of 4.00 separately. The standard Grading system as prescribed by Bangladesh University Grants Commission shall be followed in calculating the GPA.
- 4.1.5 After successful completion of course work, a candidate will proceed on to research work. During the research work candidate requires to make minimum 3 (three) presentation of seminar(s).
- 4.1.6 The research work should be completed and submit the dissertation within two years of the publication of results of the course work examination. The time may be extended for one more year with the approval of the Supervisor, the CHS and BAS (subject to holding BAS meeting) and be reported to Academic Council. For every year of extension, student(s) shall pay the session fee and other charges. Under no circumstances, a candidate will be allowed more than two years to complete the thesis.
- 4.1.7 Any change or modification of the title of the thesis must be completed within six month of the publication of course work examination result with approval of the Academic Committee, BAS (subject to holding BAS meeting) and be reported to Academic Council.

4.2 Eligibility Criteria of Supervisor(s)

- 4.2.1 A Ph.D student shall be required to perform his/her research work under the guidance of a supervisor / co-supervisor(s).
- 4.2.2 Professors of this University with at least a second Master degree from abroad and Associate Professors with Doctorate degrees of this University are eligible for acting as supervisor. Professors/ Associate Professors/ Assistant Professors of any public university/senior researchers (officers) of equivalent ranks with Doctorate degrees from government research organization are eligible for co-supervising the Ph.D students.
- 4.2.3 No near relations, specified by the examination rules of this University, shall be supervised or examined.
- 4.2.4 A supervisor/co-supervisor can guide not more than five research students (M.Phil and Ph.D taken together) at a time in one academic year.

5. Examinations

5.1 Course Examination Committee

There shall be an Examination Committee for M.Phil/Ph.D course examination. The Examination Committee shall consist of one Chairman, two internal members and one external member from outside the University. The Examination Committee shall be recommended by the Academic Committee of the Department and require to be approved by the Faculty Executive Committee and the Academic Council. Only Professors, Associate Professors and Assistant Professor with Ph.D degree shall be examiners and members of the examination committees.

5.2 Thesis and Oral Examination Committee

5.2.1 The thesis for Ph.D shall be examined by a Board of examiners consisting of:

- i. **Convener** and Examiner - Professor from a Public University other than Comilla University with Ph.D/M.Phil/Second Masters from abroad;
- ii. **Member** & Examiner – Supervisor;
- iii. One **External Member** & Examiner (from abroad) - Professor / Retired Professor/ Associate Professor from University abroad / Officer from Government Research Organizations abroad with qualification mentioned in 4.2.

5.2.2 One **Alternate External Member** & Examiner having qualification and position similar to 4.2 in case of refusal/unavailability of an external member.

5.2.3 The Supervisor shall request the Chairman of the Department to form the examination committee and the Chairman shall take necessary action in this regard through the Academic Committee of the Department.

5.2.4 The Controller of Examinations shall appoint the examiners on the Recommendation of the Academic Committee of the Department and the Faculty concerned with the approval of the Academic Council.

5.2.5 Committee shall be formed after delivering the second seminar.

5.3 Submission of Dissertation

5.3.1 The thesis should be submitted, with a certificate from the supervisor stating that the work constitutes a basic and distinct contribution to the subject(s), within two year from the date of publication of the course work examinations result.

5.3.2 All Ph.D theses should be written preferably either in English or in Bangla (only for Bangla Department program).

- 5.3.3 Five copies of the thesis should be submitted through the Chairman of the Committee of Higher Studies (CHS) of the department concerned. Four copies of the thesis shall be sent to the Controller of Examinations. Controller of Examinations will send three copies to the examiners for evaluation and the remaining copy to be sent to Central Library after award of the degree. One copy of the thesis will be preserved in the seminar library of the Department.
- 5.3.4 The candidate will submit thesis examination fees (in the form of pay order payable to Registrar) to the Controller of Examinations office along with the thesis.

5.4 Evaluation of Ph.D. Dissertation and Viva Voce

- 5.4.1 Each thesis shall be examined by all three members of the board of examiners. The examiners shall send their reports in departmental pad in sealed cover to the Controller of the Examinations who will open it before the Chairman of the Board of Examiners.
- 5.4.2 If all the examiner's report that the thesis is of the standard that justifies an oral examination to defend his/her thesis, the candidate will be allowed to defend his/her thesis. The defense will be conducted at least by two examiners at a place to be decided by the Board of Examiners. The Controller of Examinations in consultation with the Chairman of the Board of Examiners shall fix the place and date of defense and notify the candidate to defend his/her thesis.
- 5.4.3 After the viva-voce /defense, the Convener shall send a full report, signed by all examiners present in the board, to the Controller of Examinations as to whether the candidate shall be awarded the degree or not.
- 5.4.4 If, however, any of the examiners reports that the thesis does not justify the award of the degree, the thesis shall be rejected and notified to the candidate by the Controller of Examinations in consultation with the Chairman of the Board of Examiners.
- 5.4.5 If the examiners recommend the award of the degree with some corrections, the candidate must correct the loopholes/drawbacks of the thesis before the oral examination and the corrected copy of the thesis shall be re-submitted through the supervisor.
- 5.4.6 If the thesis is adequate but the candidate fails to satisfy the Viva-voce Board at the Oral Examination, the Academic Council may on the recommendation of the Board of Examiners permit the candidate to appear at the Oral Examination for a second time within a reasonable period of time. In this case the candidate will pay fees second time as determined by the University Authority.

5.5 Re-submission of Dissertation

- 5.5.1 If the examiners are not unanimous regarding the acceptability of the thesis for the award of the degree, the Convener in consultation with other members of the Board of Examiners shall decide whether the thesis should be rejected or re-submitted with necessary modifications.
- 5.5.2 If decide to re-submit, the candidate must re-submit within one year with addressing suggested modifications.

5.6 Award of Ph.D Degree

- 5.6.1 The Vice-Chancellor shall place the final report before the Academic Council and the Academic Council on the unanimous recommendation of the Board of Examiners, shall recommend to the Syndicate for the award of the Ph.D degree.
 - 5.6.2 The Controller of Examinations shall notify the result in accordance with the decision of the Syndicate.
6. This Ordinance shall be effective from the academic session 2019-20.

IV. Provision for Renewal and Modification of the Curriculum

- i. Academic Committee of the Department of Economics can make minor changes in the course content of any course and update references.
- ii. Major changes in the curriculum objectives of the program, courses, degree requirements, assessment system including grading system etc. shall have to be proposed by the Academic Committee of the Department of Economics and approved by the Committee of Courses and the Academic Council of the Comilla University.
- iii. Overall renewal and modification of the curriculum when needed, shall have to be initiated by the Academic Committee of the Department of Economics and approved by the Committee of Courses and Academic Council which shall be duly accorded by the syndicate of the Comilla University.