



Greenwich University

COURSE OUTLINE

SPRING 2019 Term

- **Course** : **Business Mathematics & Statistics**
- **Code** : **GMAT 501**

ADMINISTRATIVE INFORMATION

- **Instructor** : **Mr. Tewfik Futloo**
- **Instructor's Email** : **tewfik@greenwich.edu.pk**
(Assignments given should be sent to the instructor via email above for marking. After checking they will be returned before the next class.)
- **Class Session** : **March 25, 2019 – July 20, 2019**
- **Class Timings** : **Sunday, 02:00 Pm - 04:30 Pm**

A 10-minute break will be given. Any student coming late or returning late after the break will be considered absent for that day.

In case of cancellation / makeup of a class you will be notified through the website of Greenwich and / or through your Greenwich email account.

ATTENDANCE:

100% class attendance is mandatory for the students to enable them to appear in the final examination. However, in case of an emergency / serious illness the students will be eligible to (02) absences during the whole semester.

RULES AND REGULATIONS:

- All mobile phones must remain switched off or kept on silent / vibration mode) for the entire duration of a class. Any breach of this rule will lead to immediate confiscation of the phone, which will only be returned after the semester is over.
- Smoking is strictly prohibited on the entire campus, except the cafeteria.
- No food, drinks, gum or beetle-nut (chalia) are allowed inside the classroom.
- In order to maintain the sanctity and decorum on the University Campus, all male and female students are required to be dressed in a decent and appropriate manner. The University shall take a particularly stern view of any kind of immodest and revealing clothes.
- The Student ID Card must be displayed while attending class.
- Cheating, plagiarism, offensive language and disruptive behavior will be addressed according to policies for academic misconduct mentioned in the Students' Handbook.

COURSE OBJECTIVES:

Mathematics is one of the basic most important tool which managers employ in their routine problem solving and in their major and minor decisions. Up to the college level students learn a number of mathematical concepts including algebra, trigonometry, calculus and so on. The emphasis is more on the multiplicity of math concepts rather than their use in the real world. This course is designed with an understanding that the algebraic and math concepts are known to the students. We will learn how mathematics can help us to solve real world managerial problems. This will help future finance managers, marketing managers, operations managers and general managers to appreciate the use of this exciting tool in making their professional lives easier by making their decision process more rational.

TEACHING METHODOLOGY:

- Lectures
- Assignments
- Presentation by students

Case Studies:

PERFORMANCE REQUIREMENTS:

Complying with the course requirements and active class participation with timely submission of assignments

MATERIAL / RESOURCES:

RECOMMENDED TEXTS:

Applied Mathematics for Business, Economics and Social Sciences
by Frank S. Budnick.

Compulsory Reading:

- i. Economic & Business Review (DAWN)
- ii. Pakistan & Gulf Economist (PAGE)

EVALUATION METHODS AND ASSIGNMENTS:

- Quizzes will be given in every class based upon the lesson taught in the previous session. The teacher will mark and return them to the students in the same/next class.
- Students who maintain 100% attendance in a minimum course load of five will be awarded a certificate and his/her name/picture will be placed on the notice board
- Class Assignments will be given regularly.
- Class participation
- Portfolios should be maintained by students of all their assignments, quizzes, /presentation, etc. The portfolios must be submitted to the instructor in the 14th class. The portfolios will be returned to the students prior to the final examination .
- Mid-Term and Final Examination
- Final exams will comprise questions based on the entire syllabus, including the teaching done before the Mid-Term Exam.
- **Report:** The students will be assigned, individually, or in groups to write term paper / report based on visit to the corporate entities / markets and discussions with professionals and practitioners. All such visits will be undertaken through official transmittal letters to be issued by the University on the request of students and / or faculty.

GRADING:

*	Quizzes.....	10%
*	Assignments.....	10%
*	Class Participation.....	10%
*	Mid-term Examination.....	30%
*	Final Examination	40%

COURSE CONTENTS WEEK WISE

Week No	Topic
Week # 01	Matrices and Determinants/Linear Equations.
Week # 02	Application of Matrices and Determinants
Week # 03	Functions, Limits and Continuity
Week # 04	Simple Differentiation AND Application of linear Function
Week # 05	Integration and Application
Week # 06	Mathematics of Finance
Week # 07	Probability Theory
Week # 08	MID-TERM EXAMINATION
Week # 09	Matrices and Determinants/Linear Equations.
Week # 10	Application of Matrices and Determinants
Week # 11	Functions, Limits and Continuity
Week # 12	Simple Differentiation
Week # 13	Integration and Application
Week # 14	Mathematics of Finance
FINAL EXAMINATION	

-----*For Office Use Only*-----

Dean: : _____ Date: ____ / ____ / 2019

Head of Department: : _____ Date: ____ / ____ / 2019

Faculty Member: : _____ Date: ____ / ____ / 2019

Uploaded on the website by: _____ Date: ____ / ____ / 2019