

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

<b>Course name</b>	General Mathematics
<b>Course number</b>	ESTA1312
<b>Faculty</b>	
<b>Department</b>	
<b>Course type</b>	College Needs
<b>Course level</b>	1
<b>Credit hours (theoretical)</b>	3
<b>Credit hours (practical)</b>	0
<b>Course Prerequisites</b>	

#### Course Objectives

- 1 - The main objectives of this course is to teach the students the basic topics in mathematics, such as: integration, differentiation, solving system of equations, matrices, logarithmic functions, exponential functions, graphs, etc.

#### Intended Learning Outcomes

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|------------------------------------|---|
| <b>Knowledge and Understanding</b> | * Basic mathematical methods.   |
| <b>Intellectual Skills</b>         | * students should be able to apply the basic methods of mathematics learned to their fields of study. |
| <b>Professional Skills</b>         | * By learning the basic methods of mathematics, students will develop proficiency in using them.      |
| <b>General Skill</b>               | * Students will develop understanding of used of mathematics in general life skills.                  |

#### Course Contents

- 1 - At the end of this course, students should be able to understand and apply the following methods in mathematics: - Algebra refresher - Equations and their applications and inequalities - Functions and graphs - Lines parabolas and systems - Exponential and logarithmic functions - Matrices - Differentiation - Integration

#### Teaching and Learning Methods

- 1 - Teaching methods are accessible for all students.

#### Teaching and Learning Methods for the Disabled Students

- 1 - Accessibility to all the students is ensured for each teaching and learning method applied, with the possibility of exceptional (specially designed) teaching techniques per request.

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**Students Assessment**

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Assignments	3 per semester	30
Midterm Exam	Week 8	30
Final Exam	Week 15-16	40

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**Books and References**

Essential books	Introductory Mathematical Analysis- for business, economics, and the life and social sciences. for Ernest F. Haeussler, Jr., Ricgard . Paul
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