

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	General Mathematics
Course number	STAT1312
Faculty	
Department	
Course type	Major Needs
Course level	1
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - The students must know the difference between inequalities and equations and how to solve them.
- 2 - The students know how to graph the quadratic and linear equations.
- 3 - The main point in this course is different methods of differentiation and how we distinguish between them.
- 4 - The second main point is different methods of integration and how we can distinguish between them.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Knowing how to integrate * Knowing how to differentiate * Knowing how to solve exponential and logarithmic function
Intellectual Skills	<ul style="list-style-type: none"> * Knowing how to solve a system of equations using many methods
Professional Skills	<ul style="list-style-type: none"> * Knowing how to graph quadratic equations and linear equations
General Skill	<ul style="list-style-type: none"> * Knowing the methods of integration * Knowing different differential methods * Using different ways to solve system of equations

Course Contents

- 1 - Equations
- 2 - Application of equations and inequalities
- 3 - Functions and graphes
- 4 - Lines and systems
- 5 - Exponential and logarithmic function
- 6 - Differentiation and additional topics
- 7 - Integration and its application

Teaching and Learning Methods

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| 1 - Lectures |
| 2 - Solving different examples and problems |
| 3 - Giving some homework |

Teaching and Learning Methods for the Disabled Students

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| 1 - Is not applied |
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First midterm	middle of the semester	30
attendance and discussion	during the semester	5
Homework	during the semester	5
Final	at the end of the semester	60

Books and References

Course note	Explanation on the board
Essential books	Introductory Mathematical Analysis , Sixth Edition