

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

<b>Course name</b>	General Mathematics (2)
<b>Course number</b>	STAT3306
<b>Faculty</b>	
<b>Department</b>	
<b>Course type</b>	Major Needs
<b>Course level</b>	3
<b>Credit hours (theoretical)</b>	3
<b>Credit hours (practical)</b>	0
<b>Course Prerequisites</b>	

#### Course Objectives

1 - Advanced techniques of integration
2 - Infinite series
3 - Derivatives of inverse function

#### Intended Learning Outcomes

<b>Knowledge and Understanding</b>	* Divergent and convergent of series
	* The students know how to deal with any problem of integration
	* Hyperbolic and inverse hyperbolic functions
<b>Intellectual Skills</b>	* Double and triple integrals
<b>Professional Skills</b>	* Using L- Hopital rule to deal with indeterminate forms of limits

#### Course Contents

1 - Transcendental functions
2 - Techniques of integration
3 - Infinite series
4 - Multiple integrals

#### Teaching and Learning Methods

1 - Lectures
2 - Solving different examples and problems
3 - Giving some homework
4 - Explanation on the board

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

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

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**Books and References**

Course note	Swokowski.Olinick.Pence. CALCULUS , 6th Edition
Essential books	Swokowski.Olinick.Pence. CALCULUS , 6th Edition