

Date:	Examination No.:	Version:2021-2022	Start:1/9/2022
Module Name - Code	Math III - 0109		
Module Language:	English		
Responsible:	Maha George Zia		
Lecture (s):	Maha George Zia		
College:	College of Engineering – Salahaddin University-Erbil		
Duration:	15 week – 1 semester		
Course outcomes:	The course deals with the fundamental principles of Math III. This course is a mandatory requirement for the BSc in Electrical Engineering. As an introductory course, a good treatment of the basic principles is important for a proper understanding of the subject matter and for confidence in applying these principles to practical problem solving.		
Course Content:	<ul style="list-style-type: none"> • Vectors (vector representation, operation & product) • Polar coordinates system • Differential Equations • Function of more than one Variables 		
Literature:	<ul style="list-style-type: none"> ➤ Thomas Finney: <i>Calculus and analytic geometry</i>, Addison Wesley Publishing company, 9th edition, 1998 ➤ George F. Simons: <i>Calculus and analytic geometry</i>, McGraw- Hill companies, INC, 2nd edition, 1996. ➤ John Bird: <i>Engineering Mathematics</i>. Elsevier, 4th edition, 2008. 		
Type of Teaching:	3 hrs. in lectures + 1 hour tutorial		
Pre-requisites:	Math II- 0108		
Preparation Modules:			
Frequency:	Autumn Semester		
Requirements for credit points:	For the award of credit points, it is necessary to pass the module exam. It contains: Two examinations (quizzes) during the academic semester, two assignments (homework) and Final examination. Student's attendance is required in all classes.		
Credit point:	5		
Grade Distribution:	<p>The module exam is based on the summation of two categories of evaluations:</p> <p>First: (40%) of the mark is based on the academic semester effort which includes</p> <ul style="list-style-type: none"> - Two examination (quizzes) during the academic semester = 20%. - Two assignments (homework) = (20%). <p>Second: (60%) of the mark is based on final examination that is comprehensive for the whole of the study materials reviewed during the academic semester.</p>		
Work load:	The workload is 96 hrs. It is the result of 48 hrs. attendance and 48 hrs. self-studies (Assignments, preparation for exam and applications).		