



Course No.	Course Title	No. of Units			Pre-requisites
		Th.	Pr.	Credit	
MATH 331	Mathematical Software and Programming	2	1	3	MATH 204 MATH 241

Course Objectives:

After studying this course, the student will be able to:

- Write any text, mathematical expressions and equations.
- Compute using the facilities given in this package.
- Draw 2-dim and 3-dim graphs.
- Prepare worksheets in MS-Excel.

Course Description:

Scientific workplace, Writing text, Computing and drawing graphs, Mathematical software (mathematica/maple/matlab), Microsoft excel, Preparation of worksheets, Using formula, Compute and drawing graphs.

Main Text Books:

- Introduction to Maple and MatLab, by Moawwad E. A. El-Ikkawy, Mansoura University, Mansoura, 2005.
- Brilliant Microsoft, by Steve Johnson, Pearson education, Inc., UK 2007.

Subsidiary Books:

- Matlab: A Practical Introduction to Programming and Problem Solving, by Stormy Attaway, 3rd edition, Butterworth-Heinemann, 2013.
- Getting Started with Maple, by Douglas B. Meade, S.J. Michael May, C-K. Cheung and G. E. Keough, Wiley 2009.
- Programming with Mathematica: An Introduction, by Paul Wellin Cambridge University Press 2013.