



Palestine Technical University  
Faculty of Science & Technology  
Department of Applied Mathematics

**Course Name :** Calculus II .

**Instructors:** Mrs. Taqwa Al\_khader, Dr. Khaleda Nazzal, Mr. Mohammad Amer, Mrs. Kefaya Ayyash.

**Textbook :** Thomas Calculus, 11<sup>th</sup> Edition , by Weir, Hass Giordan.

**Evaluation:** - First Exam : 30%- Second Exam : 30%- Final Exam : 40%

**Course outline :**

Chapter	Contents
Chapter six	Application of definite integral 1,2,3
Chapter seven	Transcendental Functions 1-4,7,8
Chapter eight	Techniques of Integration 1-5,8
Chapter eleven	Infinite Sequences and Series 1-8

**Assigned problem:**

section	Problems
6.1	7,10,15,16,24,26,35,45,48,54
6.2	5,6,11,24,30,31,32,34,35
6.3	4,6,11,13,16,19a and b ,22 a and b,23,27
7.1	2,7,16,30,32,38,49
7.2	2,3,22,35,47,54,66,70,72
7.3	4,9,16,21,26,35,44,51,61,67,72
7.4	4,9,14,28,43,46,51,61,69,73
7.7	2,5,15,19,27,39,41,51,61,72,81,98,99,109,113,134
7.8	4,10,15,23,35,37,49,53,57,60,69,73,75
8.1	2,7,8,35,37,42,45,47,55,59,63,82,83,96
8.2	2,7,18,23,29,30,43
8.3	13,18,25,33,38,46
8.4	2,10,16,19,24,33,37,45
8.5	2,6,11,16,19,31,38,43,64
8.8	3,4,10,26,32,36,40,41,50,64,45,80
11.1	12,19,24,29,32,37,45,50,59,81,84,88,102,104
11.2	3,5,10,13,16,20,25,28,32,34,36,39,43,48,52,66
11.3	3,9,12,15,18,21,23,26,31,34
11.4	2,4,7,15,20,27,29,35,38
11.5	2,4,9,12,15,19,24,25,28,29,30,33,39,45
11.6	2,4,8,13,16,25,27,36,40,46,51
11.7	2,8,13,19,21,28,35,39,41,42
11.8	2,6,12,25,26,28