

Department of Mathematics  
Christopher Newport University

**Math 240**

**Intermediate Calculus  
with Maple**

*Spring Term 2006*

**Instructor:** Dr. Khalili  
**Email:** pkhalili@cnu.edu  
**Office:** Gosnold 121= 11<sup>2</sup>  
**Office Hours:** MWF 10:00 - 10:45 am, TTH 12:30-2:00 pm  
**Classroom:** Gosnold 203  
**Class Hours:** MW 11:00-12:15 pm F 11:00-11:50 pm  
**Phone:** 594-7037(office), 594-7194 (department secretary)

**Textbook:** *Calculus*, Stewart 5th ed.

**Course Objective:** Math 240 is the second semester of our calculus series, Math 140, Math 240, Math 250. Students coming to this course should have completed Math 140 or equivalent recently. One must know at least basic differentiation and integration rules from Math 140. Math 240 by far is more challenging than the other two calculus courses, Math 140 and Math 250. As such you should spend at least two hours for each our of class time. Key to success in this course is to come to class prepared and with questions ready for class discussion. At least half of each class period will be spent on problems discussion and problem solving.

**This course is intended to achieve the following objectives**

1. Gaining factual knowledge (terminology, classifications, methods, trends)
2. Learning fundamental principles, generalizations, or theories
3. Learning to apply course material (to improve thinking, problem solving, and decisions)

**Course Outline:**

<u>Chapter</u>	<u>Section</u>
5	<b>4,5</b> (These are review sections )
7	<b>2,3,4,5,7</b> ( 7.2 is a review section)
8	1,2,3,4,7,8
12	1,2,3,4,5,6,7,8,9,10,11,12

**Grading System:** The course grade is based on: 1) weekly homework assignment that is 10% of the course grade, 2) three tests each of which is 20% of the course grade, 3) **Maple projects that accounts for 10% of the course grade**, and 4) final exam (Cumulative) which accounts for 20% of the course grade. The tests will be given approximately every four weeks. Final exam is scheduled for Monday May 1 from 11:00-1:30 pm in G-203.

**Homework:** Homework will be assigned daily and covered in class the next day.

**Free Tutor:** Mathematics department may offer free tutorial lab for this course. The lab is located in G-114.

**Grading Scale:** The course grade is assigned based on the following scale:

91 - 100 = A	75 - 78 = $C^+$	58 - 60 = $D^-$
88 - 90 = $A^-$	70 - 74 = C	00 - 57 = F
85 - 87 = $B^+$	67 - 69 = $C^-$	
81 - 84 = B	64 - 66 = $D^+$	
79 - 80 = $B^-$	61 - 63 = D	

**Attendance:** Attendance is necessary, and you are responsible for all class materials, assignments and deadlines.

**Withdrawal Policy:** The withdrawal policy is the same as an official university policy. Therefore the last day to withdraw is March 27, 2006.

**University Regulations on Students with Disabilities:**

If you believe that you have a disability, you should make an appointment to see me to discuss your needs. In order to receive an accommodation, your disability must be on record in Disability Services office located in Room 101, Mcmurrin building ( Telephone 594-8763).

**Math 240 List of Homework  
Calculus, James Stewart**

<u>Pages</u>	<u>Problems</u>
356 - 357	1,2,5,9,11,13,17,19,23,25,31,35,39,43,53.
365 - 366	1-31 odd,37,41,43,45,49.
458 - 459	1,5,9,11,13,15,23,27,41,55,59,61,63.
465 - 466	3,5,7,9,13,17,19,27,31,37,69,71,73,75.
475 - 476	3,5,7,9,11,17,23,29,31.
483 - 485	1-9 odd,13,23,29,59,61,63.
501 - 502	5,9,13,15,21,25,33,39,45,51,53.
516 - 517	1-29 odd.
524 - 525	1,3,7,9,15,23,27,29,31,41,55.
530 - 531	1-25 odd.
540 - 541	1,3,9,15,19,21,25,31,33,41,57.
564 - 565	1,3,5,7,13,17,19,29,31.
573 - 574	1,5-37 odd,49,51,57 .
746 - 748	1 - 37 odd,55,57,59,61.
756 - 757	1 - 31 odd,35,41,57.
765 - 766	3 - 21 odd,25.
770 - 771	3 - 27 odd.
775 - 776	3 - 29 odd.
781 - 782	3 - 25 odd.
784 - 784	1,3,7,11,13,19,23,27,29,35.
789 - 790	3-25 odd.
795 - 796	3,7,9,13,19,23,27.
806 - 807	1,3,5,7,11,13,43,45.
811 - 812	1,7,9,13.
819 - 820	3,5,7,13,21,27.