

COURSE: MATH 281 -- CALCULUS III

TEXT: Dick & Patton (Same as Calc I and II)

CALCULATOR: You are **required** to have an HP-48G or HP-49G series calculator

INSTRUCTOR: Dr. Merv Newton

OFFICE: AC-131

OFFICE HOURS: M 9:00 - 9:55, 11:00 - 11:55, and 1 - 1:55

T 9:00 - 9:55 and 2:00 - 2:55

W 9:00 - 11:55 and 1 - 1:55 A.M.

Th 2:00 -2:55

F 9:00 - 9:55, 11:00 - 11:55, and 1 - 1:55

Or by appointment

PHONE: O - 724-589-2035

H - 724-588-8807

GRADING:

HOMEWORK/CLASS PARTICIPATION....20%

TEST 1 (Sept 16 Chap 11).....20%

TEST 2 (Oct 7 Chap 12).....20%

TEST 3 (Nov 7 Chap 13 & 14).....20%

TEST 4 (Dec 14 10:30 Chap 15 & 16).....20%

It is the policy of Thiel College and its educational programs not to discriminate against qualified students with documented disabilities. Students desiring accommodation for a disability are responsible for providing evidence from a qualified professional confirming the disability and identifying appropriate interventions. This evidence should be taken to the Office for Special Needs AC-126 as early as possible in the semester. The Coordinator of the Office of Special Needs will develop a letter of accommodation to be sent to course instructors and other appropriate offices.

If documentation is already on file, the students with disabilities are responsible for visiting the Office for Special Needs to set up accommodations for EACH semester. They are also responsible for talking to their professors about their needs as early as possible for EACH semester.

HOMEWORK: The homework assignments for the term are given below. All homework is presented orally. You should come prepared to work any of the assigned problems for that day. Students will be chosen at random to do the problems at the board. Notice that many of the problems are odd numbered, meaning that the answer is in the back of the book. Simply giving that answer won't make it. You are expected to give a clear explanation of how that answer was obtained. You will be graded on a scale of 0 to 10 based on the quality of your presentation, on the degree of understanding demonstrated by your presentation, and your answers to any

questions that you may be asked by the instructor or students. The grade of 0 is reserved for people who refuse to budge from their chair or who are absent without an acceptable excuse when they are called upon. You should be prepared to use the calculator on the display unit as part of your presentation if it is appropriate for the problem you are doing.

ATTENDANCE: You are expected to attend every class. If you must miss a test day for **UNAVOIDABLE** reasons, and you know about it ahead of time, you must make arrangements with the instructor to take the test **BEFORE** the rest of the class.

DATE	SECTION	PROBLEMS
9/2	11.1	1-10, 15, 16(for 15 only), 19, 23
	11.2	1-8, 9-25(odd)
9/9	11.3	1-8, 23, 27-31, 33, 35
	11.4	1-5, 10, 14, 15, 21-27, 31
9/13	11.5	1, 4, 5, 7, 11, 15
	11.6	1, 2, 5, 6, 11, 13, 19
9/23	12.1	1-10, 21, 23, 25
	12.2	1-10, 16-25
9/30	12.3	1-14, 17, 18
	12.4	1-14, 20
10/4	12.5	1-5,
	12.6	1, 3, 13 (There is a much shorter proof than the one given in the book. Find it.)
10/14	13.1	1-3, 5, 11, 17, 19, 20, 21
	13.2	1, 6, 9, 13, 14-21
10/21	13.3	1-5, 7, 10, 11, 13, 16, 17, 21, 23, 25
	14.1	1, 5, 9, 15, 19, 23, 32-39
10/28	14.2	1, 5, 9, 15, 16-23
	14.3	1, 3, 6, 11, 22-29
11/2	14.4	1-5, 9, 11, 13, 15, 19
	14.5	1, 3, 9, 17
11/11	15.1	1, 5, 7, 9, 15, 17, 19, 21, 23
	15.2	1, 3, 9, 10, 11, 13, 25, 31, 33

DATE	SECTION	PROBLEMS
11/18	15.3	1, 3, 5, 15
	15.4	1, 3, 11
11/29	15.5	1-3, 13, 14, 19, 31-33
	16.1	1, 5, 7, 9, 11, 15, 19, 41
12/2	16.2	1-6, 11
	16.3	1, 3, 5
12/7	16.4	1, 3, 7, 11, 14, 17 (For problems 1 and 17 graph polar form and move eye up and to the left for a better view. For problem 3 choose a parametrization which is plotable on the HP and move the eye to the right for a better view.)
	16.5	1, 7

Go To: [Course Calendar](#) [Dr. Newton's home page](#)