

COURSE INFORMATION

Instructor : Wenqiang Feng
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Phone : 865-898-6089
Office Hours : Monday 4:00PM-5:00PM.

Time: Tuesday, 08:10am-09:25am (Section 1),
Tuesday, 11:10am-12:25pm (Section 4),
Location: Ayres Hall 123
Web: <http://www.math.utk.edu/~xchen/241-b.html>
<http://web.utk.edu/~wfeng1/calIII14fall.html>
Textbook: Calculus (2^{ed} edition), by Jon Rogawski, chapters 12-17

Course Goals

The Calculus III recitation has three primary goals. The primary goal is to ***review the content which was taught in the lecture***. Emphasis is placed on reviewing the former content, Consolidating the knowledge points, expanding the knowledge points; The second goal of the Calculus III recitation is to ***help students master problem solving method, understand and experience the mathematical thought***. Emphasis is placed on teaching the problem solving method; The last goal is to ***test what the students have learned***.

Homework and Quizzes

On each Tuesday at 8: 00 AM (Section1) and 11:10AM (Section 4) (beginning of the class), the assigned homework of the previous week are collected and selected problems are graded. Quizzes are taken at the last 15 minutes in recitation course. **No late homework will be accepted, missed quizzes and PRS will not be made up.**

Exam

There will be 3 Midterms and one Final Exam.

	Exam 1	Exam 2	Exam 3	Final Exam
Date	Sep.10, 2014	Oct.8, 2014	Nov.12, 2014	Dec. 5, 2014
Time	9:05a.m- 9:55a.m	9:05a.m- 9:55a.m	9:05a.m- 9:55a.m	8:00 a.m.-10:00 a.m

Grading Policy

On all of your papers, you are expected to show your work clearly and completely. You will be graded on your work as well as your answers. There will be 10 total points for each homework and quiz. The final grade (as a percentage of the total points) will be computed using the following weights:

	Final Exam	Midterms	Quizzes	Homeworks
Distribution	30%	30%	20%	20%

Letter grades will be assigned according to the following scale (subject to change):

	A	B	C	D	E
Range	$90 \leq S \leq 100$	$80 \leq S \leq 89$	$65 \leq S \leq 79$	$50 \leq S \leq 64$	$0 \leq S \leq 49$

Attendance

Students are expected to attend every class. Borderline grade decisions will be based on attendance, among other factors.

Disability Policy

Students who have a disability that require accommodation(s) should make an appointment with the Office of Disability Services (974-6087) to discuss their specific needs as well as schedule an appointment with me during my office hours.

Academic Honesty

Students must be familiar with the ACADEMIC STANDARDS OF CONDUCT section of the Hilltopics handbook.

COURSE SCHEDULE

Chapter 12	VECTOR GEOMETRY <i>12.1(Aug. 20)</i> : 5, 18, 24, 37, 57 <i>12.2(Aug. 22)</i> : 3, 11, 14, 25, 27, 33, 37, 41, 53 <i>12.3(Aug. 25)</i> : 1, 11, 14, 15, 23, 27, 34, 71, 88 <i>12.4(Aug. 27)</i> : 1, 5, 9, 11, 15, 26, 30, 36, 39, 43, 44 <i>12.5(Aug. 29)</i> : 3, 17, 21, 27, 31, 37, 49, 59
Aug.29, 2014	Last day to add, change, or drop without a "W"
Sep. 1, 2014	Labor Day break
	<i>12.6(Sep. 3)</i> : 2, 8, 14, 16, 26, 28, 30
Chapter 13	CALCULUS OF VECTOR-VALUED FUNCTIONS <i>13.1-2(Sep. 5)</i> : 4, 5, 9, 13, 15, 21; <i>13.2</i> : 9, 31, 33, 39, 47, 51 <i>13.3(Sep. 8)</i> : 3, 5, 9, 19
Sep. 10, 2014	Exam 1 (9:05AM-9:55AM)
	<i>13.4(Sep. 12)</i> : 3, 7, 11, 13 <i>13.5(Sep. 15)</i> : 3, 15, 17, 19, 21
Chapter 14	DIFFERENTIATION IN SEVERAL VARIABLES <i>14.1(Sep. 17)</i> : 13, 15, 20, 21, 27, 38 <i>14.2(Sep. 19)</i> : 1, 5, 7, 14, 15 <i>14.2(Sep. 22)</i> : 3 -11 (odd), 17, 19, 25, 35, 43, 57, 59, 63, 76, 79 <i>14.3(Sep. 24)</i> : 57, 59, 63, 76, 78, 79 <i>14.4(Sep. 26)</i> : 1, 5, 9, 13, 19, 21, 25, 31 <i>14.5(Sep. 29)</i> : 1, 3, 9, 19, 21, 29, 33, 35, 36, 39, 43 <i>14.5(Oct. 1)</i> : 1, 3, 9, 19, 21, 29, 33, 35, 36, 39, 43 <i>14.6(Oct. 3)</i> : 3, 5, 11, 25, 27 <i>14.7(Oct. 6)</i> : 3, 7, 11
Oct. 8, 2014	Exam 2 (9:05AM-9:55AM)
	<i>14.7(Oct. 10)</i> : 37, 43, 45, 46 <i>14.8(Oct. 13)</i> : 5, 11, 19 <i>14.8(Oct. 15)</i> : 39, 41
Oct.16-17, 2014	Fall Break
Chapter 15	MULTIPLE INTEGRATION <i>15.1(Oct. 20)</i> : 3, 15, 17, 27, 35, 39, 41, 44, 45 <i>15.2(Oct. 22)</i> : 5, 7, 11, 13, 15, 21, 29, 33, 43, 45, 49 <i>15.2(Oct. 24)</i> : 5, 7, 11, 13, 15, 21, 29, 33, 43, 45, 49 <i>15.3(Oct. 27)</i> : 3, 9-15 (odd), 21, 25 <i>15.7(Oct. 29)</i> : 1-7 (odd), 11, 15, 17, 26 <i>15.7(Oct. 31)</i> : 31, 33, 37, 39, 47, 49, 53, 59, 64 <i>15.4(Nov. 3)</i> : 15, 19, 21, 27, 31, 33 <i>15.4(Nov. 5)</i> : 41, 45, 49, 51 <i>15.5(Nov. 7)</i> : 3, 7, 21, 23, 28

Course Schedule (Cont.)

Chapter 16	LINE AND SURFACE INTEGRALS
	<i>16.1(Nov. 10):</i> 10, 12, 22, 31
Nov. 12, 2014	Exam 3 (9:05AM-9:55AM)
	<i>16.2(Nov. 14):</i> 9, 11, 15, 19, 23, 24, 29, 37, 45, 51
	<i>16.3(Nov. 17):</i> 1, 3, 5, 9, 13, 17, 19, 27
	<i>16.4(Nov. 20):</i> 3, 6, 7, 9, 13, 17, 18, 21, 25, 35, 37
	<i>16.5(Nov. 21):</i> 3 -9 (odd), 21, 23
Chapter 17	FUNDAMENTAL THEOREMS OF VECTOR ANALYSIS
	<i>17.1(Nov. 24):</i> 2, 3, 8, 9, 13, 15, 17, 26
	<i>17.2(Nov. 26):</i> 1-11 (odd), 14, 18
Nov. 28, 2014	Thanksgiving break
	<i>17.3(Dec. 1):</i> 1, 6, 7, 11, 13, 15, 19, 21, 29, 31, 37
Dec. 5, 2014	Final Exam (8:00AM-10:00AM)