

## Calculus 3    MAC 2313 (U01) — Spring 2019

- Instructor: Kai Huang
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- Office/Hours: DM-419-A;    Mon. & Wed.    12:30 — 13:30 PM  
( other times by appointment )
- Textbook:  
Calculus, Early Transcendentals — 11-th Edition,  
by Anton, Bivens and Davis.
- Course Objective:  
The course deals with the differential and integral calculus of real multivariable functions. Cover most of chapters §11 - §15.
- Quiz, Exam and Grading:

	Percentage	Dates
Quizzes	25 %	Jan. 14, 28, Feb. 4, 25, Mar. 4, Apr. 8
Midterms	40 %	Feb. 11,    Mar. 25
Final Exam	35 %	Apr. 26,    7:30—9:30AM,    PG6-115

One lowest quiz will be dropped.    No Make up quizzes.

Final Exam will be cumulative.

Your final grade will be based on your percentage of the total available points.

A	A-	B+	B	B-	C+	C	D	F
$\geq 90$	$\geq 85$	$\geq 80$	$\geq 75$	$\geq 70$	$\geq 65$	$\geq 60$	$\geq 50$	$< 50$

- Important Dates:  
Last day to drop/withdraw with tuition refund: Monday, Jan. 14;  
Last day to drop with a DR grade: Monday, Mar. 18.
- Attendance:  
You are responsible for material covered in class.  
Essential announcements and any changes will be announced in class.  
If you miss a class, it is your responsibility to get the notes from a classmate.
- Incomplete grade policy:  
IN grade is given to a student only under the condition that the student has substantially completed (with a passing grade) most of the course but is unable to complete the course because of circumstances beyond his/her control.
- Exams:  
All exams are closed notes and closed books.  
Picture I. D. with signature is required and must be presented upon request.  
Tardiness is permitted on test days without penalty although you will have less time on the test than everyone else.  
If you are 15 minutes (and more) late and someone has already turned in his/her test before you arrive, you will not be allowed to take the test.  
**There will be no make-up exams.**  
Excused absences for exam may be given only for certain documented emergencies (primarily medical). They will not be given for attendance at scheduled activities, whether University sponsored or not, to attend other classes or for family or business trips.  
The excused exam may be substituted by the final exam.
- **ACADEMIC MISCONDUCT**  
includes (but is not limited to) giving or receiving assistance on a test or quiz for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, and using unauthorized notes on a test or quiz.  
A more complete definition of Academic Misconduct is given on pp.120-121 of the Student Handbook.  
Penalties for Academic Misconduct range from an F in the course to expulsion from the university.

## Suggested Exercises

§11.1	7, 11, 13, 23, 27, 19-22.
§11.2	3ac, 5, 9, 11e, 13, 15, 21-33 (odd), 39, 17-20.
§11.3	1, 3, 7, 9, 13, 25, 27, 28-31.
§11.4	7, 11, 17, 19, 21, 27a, 29, 13-16.
§11.5	3, 21, 27, 29, 31, 35, 37, 11-14.
§11.6	3, 11, 13, 26, 27, 29, 37, 41, 43, 45, 21-24.
§11.7	7, 9, 15, 11-14.
§11.8	19, 23, 25, 29, 35, 37, 39, 41, 15-18.
§12.1	3, 6, 8, 11, 31-34.
§12.2	21, 23, 25, 32, 37, 39, 45, 41-44.
§12.3	3, 5, 7, 9, 13, 23, 25, 29, 43, 17-20.
§12.4	3, 4, 5, 8, 9, 13, 21-24.
§12.5	17, 19-22.
§13.1	19, 23, 25, 51, 57, 29-32.
§13.2	1, 3, 5, 9-19 (odd), 16, 24, 43, 29-32.
§13.3	11, 25-33 (odd), 43, 47, 69, 71, 21-24.
§13.4	1, 11, 12, 13, 21, 23, 33, 35, 27-30.
§13.5	1-11 (odd), 17, 19, 24, 34, 42, 45, 37-40.
§13.6	3, 11, 15, 33, 43, 51, 53, 61, 71, 67-70.
§13.7	1, 5, 7, 9, 13, 14, 24, 25, 28, 29, 19-22.
§13.8	1, 9, 12, 13, 31-39 (odd), 43, 23-26.
§13.9	7, 9, 23 - 29 (odd), 13-16.
§14.1	1-11 (odd), 13, 15, 27, 29, 31, 33, 35, 23-26.
§14.2	1, 3, 5, 9-12, 15, 25, 37, 43, 47-55(odd), 33-36.
§14.3	1, 5, 11-15(odd), 23, 25, 27, 29, 33, 35-38.
§14.4	1, 3, 6, 8, 41, 45 (all set up only), 47-50.
§14.5	1-7 (odd), 11, 15-18 (set up only), 19-25(odd), 27-30.
§14.6	1, 5, 9, 10, 13, 16, 17-19 (set up only), 23, 21-24.
§14.7	1, 7, 21, 22, 23, 35, 37, 13-16.
§15.1	17, 21, 23, 25, 27, 37, 38, 41, 11-14.
§15.2	1, 3, 7, 11, 19, 21, 24, 27, 33, 41, 15-18.
§15.3	1, 3, 5, 9, 11, 15, 17, 19-22.
§15.4	1, 3, 7, 9, 13, 15-18.
§15.5	1, 3, 5, 19(a), 23, 35, 9-12.
§15.6	7, 9, 11, 23-26.
§15.7	1, 9, 13, 15, 17, 5-8.
§15.8	1, 3, 5, 7, 9, 13-16.

Solution Manual available at: <http://mathstat.fiu.edu/useful-information/math-resources/multivariable-calculus/>