

## CALCULUS I SYLLABUS – MATH 231 – FALL 2015

MATH 231 – 34233 – SECTION 11 – TR 10:00-11:50AM – ROOM EMS W120

Textbook: *Essential Calculus (2<sup>nd</sup> Edition)*, by James Stewart.

Instructor: Xianghong Chen

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Office: EMS E490; (414) 229-4933

Office Hours: T 1-3pm; W 2-4pm; R 2-3pm; and by appointment.

### PRE-REQUISITES:

Math Placement Level A, or any of the following

A Math Placement Test Code of 40;

A score of 61 or higher on the CLEP Precalculus Exam;

A grade of C or better in both Math 116 and Math 117;

A grade of C or better in both Math 211 and Math 117;

A grade of C or better in Math 116 and Math Placement Test Code 36;

A grade of C or better in Math 211 and Math Placement Test Code 36;

A grade of C or better in Math 117 and Math Placement Test Code 35.

### IMPORTANT DATES:

Wednesday, Sept 2	First day of classes.
Friday, Sept 11	Math Department's last day to add a class.
Wednesday, Sept 16	Last day to add or change among credit/no credit/audit status in PAWS.
Tuesday, Sept 29	Last day to drop without a "W" (Withdrawn) on your record.
Friday, Oct 23	Last day to drop. No student may drop after Oct 23 for academic reasons.
Monday, Dec 14	Last day of classes.
Friday, Dec 18	Comprehensive Final Exam - 7:30-9:30am. Location TBD.

### GRADING:

Quizzes	20%
Gateway Exams	20%
Two Midterm Exams	15% each
<u>Final Exam</u>	<u>30%</u>
Total	100%

If all four Gateway Exams are passed with a score of 80% or better, the final grade will be based on points earned; otherwise the maximum final grade will be a "C-".

All quizzes, Gateway Exams, the two Midterm exams, and the comprehensive final exam are closed book, no notes, no calculator. No makeups will be given except for tests missed for religious observance or documented medical emergency. There will be several quizzes throughout the semester. The lowest 2 scores will be dropped.

There will be four Gateway Exams. Each exam will be given once in class, and that grade counts toward your final grade. The exams are graded with no partial credit, and must be passed with a score of 80% or better. Gateways may be retaken, once per day (Monday-Friday), in the Gateway Testing Center in NWQ B2461. All retakes should be completed within 2 weeks of the original test date.

Homework is a tool for learning and should be done regularly to help practice the concepts discussed in class. Prior to each class, each student should read the sections of the textbook that will be covered that day. The problems listed on the syllabus comprise the minimum amount of homework that should be attempted. Homework will be collected regularly and graded for completeness (NOT correctness), work shown, and proper use of mathematical language and notation. The total of your homework grades counts as one quiz grade, and can be one of the dropped grades.

Course Outline (Subject to change)

Week 1	Sept 2-4	Sections 1.1, 1.2
Week 2	Sept 7-11	Sections 1.3, 1.4, 1.5; Quiz 1
Week 3	Sept 14-18	Sections 1.6, 2.1; Gateway 1 (Limits)
Week 4	Sept 21-25	Sections 2.2, 2.3, 2.4; Quiz 2
Week 5	Sept 28-Oct 2	Sections 2.5, 2.6, 2.7; Quiz 3
Week 6	Oct 5-9	Sections 2.8, 3.1; Gateway 2 (Derivatives)
Week 7	Oct 12-16	Section 3.2; Review; Midterm Exam One
Week 8	Oct 19-23	Sections 3.3, 3.4, 3.5; Quiz 4
Week 9	Oct 26-30	Sections 3.6, 3.7; Gateway 3 (Graphing)
Week 10	Nov 2-6	Sections 4.1, 4.2, 4.3; Quiz 5
Week 11	Nov 9-13	Sections 4.4, 4.5, 5.2; Quiz 6
Week 12	Nov 16-20	Section 5.3; Gateway 4 (Integration); Review
Week 13	Nov 23-24	Midterm Exam Two; Thanksgiving Recess
Week 14	Nov 30 - Dec 4	Sections 5.1, 5.4, 5.5, 5.6; Quiz 7
Week 15	Dec 7-11	Section 5.7; Review
Finals Week	Dec 16-19;21-23	The Final Exam is Friday Dec 18 <sup>th</sup> , 7:30-9:30am, Room TBD

Suggested Homework Problems (o=odd; eoo=every other odd)

1.1	1-7, 19-29o, 33, 35, 41, 57-59, 61, 63	3.4	1-33eoo, 35-38, 39, 41
1.2	1-17 eoo, 19, 23-43eoo, 47, 59	3.5	3, 5, 9, 11, 15, 17, 25, 32-56 any 5
1.3	3-9o, 29-37o,	3.6	1-4, 6, 7, 9-15o
1.4	1, 11-27o, 33-41o, 44, 49-55o	3.7	1-13o, 17-33eoo, 39-45o
1.5	3-5, 7, 13-23o, 27-33o, 39-42	4.1	1-15o
1.6	1-7o, 13-33eoo, 41, 43, 45, 49	4.2	1-25o, 29-51o
2.1	3-6, 9, 11, 15, 19, 21, 25-35o, 37-45o	4.3	1-29o, 31-37o, 43-49o, 50-66 any 4
2.2	1-15o, 19-27o, 31, 33, 39, 41	4.4	1-27o, 31, 33
2.3	1-25o, 27, 33-43o, 47-57o, 61	4.5	1-47o, 49-52
2.4	1-29o, 31-43o, 51, 53	5.1	1-25o, 33-41o
2.5	7-41eoo, 43-47o, 51, 53, 65, 67	5.2	1-41o, 45, 51-61o
2.6	1-15o, 19-27o, 35, 37, 39	5.3	1-37o, 41-51o, 57, 60, 61-69o
2.7	1, 7, 9, 11, 13, 15-42 any 7	5.4	1-9o, 17-37o, 41-45o
2.8	1-4, 11, 13, 19-27o	5.5	3, 5, 9, 13, 19
3.1	1-43eoo, 45, 51-57o	5.6	1-6, 17-31o, 35-38, 39-47o
3.2	1-11o, 15-25o	5.7	1-21o, 25, 27-41o, 44, 45, 47, 53-61o
3.3	1-19o, 21-35eoo, 41, 43, 45		

INCOMPLETES: In order to be given an incomplete, all of the following conditions should be met:

- a) You are already passing the course with the work that has been completed;
- b) You have only a "little" work to be finished; and,
- c) You can give substantiation of illness or other unusual non-academic circumstances beyond your control that have prevented you from completing the course on time.

REPEAT POLICY: Students repeating a Mathematical Sciences course for the second time (third taking) must do the following:

1. Obtain permission from student's academic deans' office for the repeat.
2. Meet with the Undergraduate Advisors for approval, Profs. Jay Beder or Suzanne Boyd.
3. Take completed and signed drop/add form (including academic dean approval and Math Department approval) to Mellencamp Hall 274.

Other pertinent information:

1. Room changes and cancellations are valid only if posted on Math Department letterhead and sent via email.
2. Students with disabilities or who qualify for accommodations (VISA) should contact me early in the semester to discuss the assistance they may need.
3. Texting is not permitted during class time. Cell phones should be turned off or silenced.
4. The minimum amount of time that an average student should expect to invest to successfully complete this course includes: 50 hours in class; 8 hours taking quizzes, tests and exams; 100 hours completing homework assignments; 35 hours studying for assessments. Total: 193 hours.
5. Academic Misconduct: The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. Further information can be found at: [http://www4.uwm.edu/acad\\_aff/policy/academicmisconduct.cfm](http://www4.uwm.edu/acad_aff/policy/academicmisconduct.cfm)
6. Sexual Harassment: Sexual harassment is reprehensible and will not be tolerated by the University. It subverts the mission of the University and threatens the careers, educational experience, and well-being of students, faculty, and staff. The University will not tolerate behavior between or among members of the University community which creates an unacceptable working environment. The policy on discriminatory conduct, including sexual harassment, can be found at: <http://www4.uwm.edu/sexualharassment>