Math 1A: Calculus

Winter 2017

Instructor: Jody Ryker

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Office Hours: Th 1:45-2:45

Office: E-37

Text: Calculus:Early Transcendentals with Hyperbolic Functions, 8th Ed.–Stewart/Larson

Prerequisites: Math 43

Student Learning Outcomes

➤ Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.

➤ Evaluate the behavior of graphs in the context of limits, continuity and differentiability.

➤ Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Overview::Introduction to limits, differentiation and integration of single variable functions; differentiation of multivariate functions; extrema/optimization, related rates

Grading

Midterm 1	15%
Midterm 2	15%
Final: Cumulative	20%
Project	20%
Group Teaching Project	10%
Homework	10%
Activities/Attendance	10%
A+	97.1%-100%
A	93%-96.9%

A-	90%-92.9%
B+	87.1%-89.9%
B	83%-86.9%
B-	80%-82.9%
C+	77.1-79.9%
C	70%-77%
D	60-69.9%
F	0-59.9%

Make Up Tests

There will be no make up tests. If an emergency arises and you must miss a test, then you will be asked to provide documentation and a replacement test score will be calculated by averaging the other tests.

Note: Having a flight to catch or taking a vacation during a scheduled class meeting is not a sufficient reason to miss an exam

Homework

Homework will be assigned once per week. It will be collected in packets two weeks after being assigned.

Each assignment is worth 10 points. 5 points will be awarded for completeness, and 5 points for the correctness of one arbitrarily chosen problem. If you simply put an answer without justification or work, that question will be graded as if it were not answered.

Late homework will be graded for half credit. If you are struggling to finish your homework on time, please let me know. Feel free to email me homework questions any time.

You are expected to turn in every assignment. The homework will prepare you for exams, and some exam questions will be the same or nearly the same as homework questions.

Expectations

You are expected to attend all class meetings. Participation in this course is very important to achieving understanding of the material. Every class meeting will include an activity, and participating in the activity will affect your grade.

Please do not use a cellphone while in the classroom. You will be asked to turn off your cellphone at the beginning of every class. If you must take a phone call, please step outside. If you are using your phone or another device, not only are you not participating in class, but you are distracting others around you.

Please come to class prepared. Plan on bringing your book, paper, and a pencil to each meeting. You should also read the section to be discussed before each meeting.

Please be respectful to all others in the classroom. If you are inhibiting someone's ability to learn, you will be asked to leave.

Academic Integrity

All written homework assignments, projects, and tests must be completed by you. If you cannot solve a problem, please ask me for help. If you copy a solution from somewhere else, you will receive no credit for that assignment. If you plagiarise or have someone else complete your project summary, you will receive an F in this course and you will be reported to the division dean and dean of student affairs. If you use a calculator on an exam, you will also receive an F in this course and be reported to the dean of student affairs.

Attendance

If you miss one or more class meetings during the first week, you may be dropped from this course. Since this is an accelerated course, you are expected to attend every class. If you miss fiver days, your grade may be lowered by one letter grade.

Calculators

Calculators are not allowed in class or during tests.

Contact

The best way to reach me outside of the classroom is through email. I will answer all emails within two business days.

Resources

MSTRC: Math tutoring, S43

Private Tutoring: Recommendations available upon request

If you need special accommodations due to a disability, please let me know. You may contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) to request support or accommodations for your disability.