Syllabus: Math 1552 Sections 3 and 4 fall 2016
Analytic Geometry and Calculus II

Professor: Gestur Olafsson
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Office: Lockett 382
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OHs: Mondays and Wednesdays 12:30-1:30

These sections are team taught, but *Professor Olafsson* will be responsible for your grades and is your primary contact.

Free Math Tutoring.
Shell Tutoring Center 141 Middleton Library
Mondays - Thursdays 9:30 a.m to 7:00 p.m.
Fridays 9:30 - 3:00 p.m

Accessing course information.
Each student is responsible for ensuring that he or she has access to and functioning accounts for each of the following:
1. Their university email account as it is given in Moodle. I will contact students via the email account in Moodle.
2. Moodle. Grades and posted material will be given in Moodle.

You must have access by August 30th, the last day to the drop the course without receiving a W.

Four Test are be given on the following dates/times:
September 20 at 7p.m.   Location: TBA
October 18 at 7p.m.   Location: TBA
November 8 at 7p.m.   Location: TBA
November 29 at 7p.m.   Location: TBA
You must be able to take tests at these times in order to take this course.

Expectations:
This class is a 4-credit lecture class. Students are expected to spend a *minimum* of 8 hours per week on reading and homework outside of class.

Disability statement:
Any student with a documented disability needing academic adjustments should contact Disability Services in 115 Johnston Hall, 225-578-5919 as early in the semester as possible. LSU is committed to providing reasonable accommodations for all persons with disabilities.

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Meeting Times.
Section 3.
Day and Time: 10:30 - 11:20 Monday through Thursday
Location: 232 Lockett Hall

Section 4.
Day and Time: 11:30-12:20 Monday through Thursday
Location: 15 Lockett

Final Exam for both sections.
Friday December 9th 12:30 – 2:30 p.m.
Location: TBA

Course Summary.
Calculus is the gateway to the advanced mathematics that has been instrumental to the scientific and engineering advancements that make the modern world. An understanding of calculus is important to being literate, conversant, and knowledgeable in many fields including much of the physical sciences, engineering, statistics, and econometrics. You can work in many fields using formulas that you may not understand, but understanding the math can be important to intellectually thriving in these fields. For these reasons, it is universally required around the world as an introductory course for students in the sciences and engineering.

Math 1552 is the second course in the LSU Calculus sequence. You should understand the essential concepts and interpretations of the derivative and integral from Math 1550. Math 1552 covers methods of computing integrals, introduces the concepts of sequences and series, and introduces the notions necessary to study more than one quantity (variable) at a time.
At LSU, Math 1552 satisfies four hours of the General Education Analytical Reasoning requirement. Some curricula require a "C or better" in Math 1552. Obtaining a C- or better now satisfies this requirement.

The list of topics covered in Math 1552 is as follows:

Sections	Topics
7.1-5 and 7-8	Techniques of Integration
10.1-5	Parametric Equations, Polar Coordinates and Conic Sections
11.1-11	Infinite Series
12.1-6	Vectors
13.1-4	Calculus of Vector Valued Functions
14.3	Partial Derivatives

Text. *Calculus: Early Transcendentals* 7th edition by James Stewart. If you have access to the e-book version of the text because you purchased the Lifetime Edition of WebAssign for your 1550, then that version is fine to use for this class. However, this class will not use WebAssign.

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Integrity and Ethical Conduct. Students are required to conduct themselves in the accordance to the *Code of Student Conduct*. Student violations of the code will result in the student being charged with academic and/or behavioral misconduct.

Work on in-class exams must be your own work with no assistance from anyone else. During an exam, attempts to look at other students' exams, the use of crib sheets or formula sheets, accessing cell phones, or other forbidden electronics are violations of the LSU Code of Student Conduct.

Homework. Homework will generally be assigned on a weekly schedule and assignments distributed Thursdays and posted on Moodle. They will usually be due the beginning of class the following Thursday. The lowest homework grade will be dropped in calculating the homework grade.

The homework deadline is strict except when a student can prove that he or she was not able to turn in the homework because of unavoidable circumstances. Professor Olafsson will grant exceptions on a case-by-case basis. Except in the case of a last minute emergency, a request for an extension must be made prior to 11:59 p.m. on Tuesday before the deadline. Again, Professor Olafsson has sole discretion as to whether a request constitutes an excused absence meriting an extension.

Calculators. Students may use a basic scientific calculator similar to a TI-30 in an exam. Students may not use calculators capable of graphing, symbolic manipulation, solving equations, or symbolically calculating derivatives or integrals. *Cell phones, and other electronic devices are forbidden.* Cell phones must be shut off (not merely silenced) and may not be accessed during an exam.

Tests. There are four tests during the semester. Absence due to illness or other causes the student believes are beyond their control are only excused when the instructor is convinced that the reason for absence is valid. A note reading that the student went to the Student Health Center will not be sufficient to obtain an excused absence from an exam. There are also excused absences for official university approved trips or activities and those excused absence notifications must be submitted in advance. A student will be allowed to make up the points lost on an exam for an excused absence by counting the final exam for a larger percentage of the final grade.

Tests and the final exam are not imitations of homework problems but are distinct assessments. A test reflects the material covered in lecture, the book, and homework. To adequately prepare of a test, students should review class notes as well as homework. Tests may have multiple-choice sections. The multiple-choice problems will not be returned after the exam. Sample multiple-choice problems will be posted in Moodle and sample problems will be discussed in class lecture.

Grading. There will be homework assignments, four 1-hour tests, a 2-hour final exam, and a pretest.

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Test 1 14%	Tuesday September 20 at 7p.m.
Test 2 14%	Tuesday October 18 at 7p.m.
Test 3 14%	Tuesday November 8 at 7p.m.
Test 4 14%	Tuesday November 29 at 7p.m.
Final Exam 20%	Friday December 9th 12:30 – 2:30 p.m.
Homework 24%	Approximately 14 assignments and 1 will be dropped.
Pretest 1% extra credit	Online Moodle quiz open through 9/5/2016.

The grading scale is as follows:

A+	97 – 100
A	93 – 96.99
A–	90.00 – 92.99
B+	85 – 89.99
B	80 – 84.99
B–	75 – 79.99
C+	70 – 74.99
C	65 – 69.99
C–	60.00 – 64.99
D+	57 – 59.99
D	53 – 56.99
D–	50.00 – 52.99
F	49.99 or below

General Advice.
• Attend class every day and take complete notes. Test questions are formulated based on *material and examples covered in class*, the book, and homework. Class content builds on the previous class content. Falling a day behind puts you at a disadvantage.

• Be responsible for studying and recognizing what you do and do not know. If you have a question, then ask question in office hours or talk to your fellow students. If you need more help, then seek assistance in the Middleton Library tutoring center or form a study group. Do you need help learning how to study or dealing with the stress and anxiety related to academic performance? You can explore the LSU center for academic success at http://students.lsu.edu/academicsuccess/.