

Syllabus: Math 1552 Sections 2 and 3 spring 2018 Analytic Geometry and Calculus II

Personnel.

Professor: Lawrence Smolinsky
Office: Lockett 382
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Email: smolinsk@math.lsu.edu
OHs: Tuesdays and Fridays 11:30-12:30

TA: Shashika Nuwan Chamara Petta Mestrige
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TA: Tamanna Chatterjee
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TA: Prerna Agarwal
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TA: Bach Nguyen
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Meeting Times.

Section 2. 9:30 - 10:20 TWThF

Location: 15 Lockett

Section 3. 10:30 - 11:20 TWThF

Location: 15 Lockett

SI Leader: Leopold Marx
Email: lmarx1@lsu.edu
OHs: Mondays noon-1p.m.

Accessing course information. Each student is responsible for ensuring that he or she has functioning and accessible accounts for each of the following:

1. University email, e.g., myname@lsu.edu email. I will contact students via the email account in Moodle.
2. Moodle. Grades and posted material will be given on Moodle.
3. WebAssign account. Instructions will be sent via email.

You should have access the first day of class or the day after you add the class.

Supplemental Instruction.

Supplemental instruction is an optional series of weekly study sessions. They will be offered three hours per week. Leopold Marx, your SI leader, will schedule SI sessions. Leopold and the participants (i.e., you) may go over problems, lecture material, sample problems, reviewing for exams, etc.

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.

Four one-hour tests are being given on the following dates/times:

February 6 th at 7p.m.	Location: TBA but in Lockett Hall basement
March 6 th at 7p.m.	Location: TBA but in Lockett Hall basement
April 3 rd at 7p.m.	Location: TBA but in Lockett Hall basement
April 24 th at 7p.m.	Location: TBA but in Lockett Hall basement

The registrar's office usually assigns rooms during the first two weeks of class.

You must be able to take tests at these times in order to take Math 1552 in these sections.

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Final Exam dates/times.

Section 2 final exam: Wednesday May 2 at 3:00 - 5:00 pm. in Lockett 15.

Section 3 final exam: Friday May 4 at 10:00 am - noon in Lockett 15.

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 The Office of Disability Services (ODS) 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.

Scheduling tests with ODS:

Students who are taking tests or final exams with ODS must schedule their test or final with ODS following ODS's procedures and deadlines to receive accommodations. Students scheduling tests with ODS should schedule each test for the Wednesday morning after the Tuesday night class test. Students scheduling the final exam with ODS should schedule it for the afternoon of Wednesday May 2nd or anytime on May 3rd.

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 satisfies this requirement.

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

<u>Sections</u>	<u>Topics</u>
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

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Analytic Geometry and Calculus II

Text. *Calculus: Early Transcendentals* 8th edition with Enhanced WebAssign (EWA) by James Stewart. The learning program WebAssign has e-book access included (see homework and WebAssign below).

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 and WebAssign. We will be using WebAssign to do online homework and quizzes. A WebAssign access code is included with your textbook, or you can purchase access directly from the WebAssign website without buying a book at all. Access to WebAssign also gives you access to the e-book version of our textbook, so if you like using e-books then there is no need to buy a physical textbook. An access code may also be purchased without a textbook at campus bookstores with a small markup in price. If you plan to take calculus at LSU next semester as well, you should buy the multi-semester "Lifetime Edition" version of access.

The link <http://www.cengagebrain.com/course/2450472> will allow you to purchase the lifetime addition at a discount.

You may create your WebAssign account at any time. There is a trial period for WebAssign that will begin when the class opens. For this reason, our sections of Math 1552 will not open on WebAssign until the first day of class.

*Create a WebAssign account by going to www.webassign.net and clicking on the link labeled "I have a class key." The key for your class is as follows: **lsu 5536 9658**. In the field that asks for your student ID, enter your LSU ID number (89....) **without any hyphens or spaces**. The correct student ID number is needed to give you credit in the Moodle gradebook.*

If you have WebAssign account issues, then call customer support at 1-800-955-8275. Do not create more than one account. If you have problems or questions, then call the support number.

The WebAssign extension policy on homework is as follows: You may request an extension of a homework assignment in WebAssign, but it comes with a penalty.

- You must *not* have requested to look at the answer key. If you look at the answer key, then you forfeit the opportunity for any extension on that assignment.
- The extension will remain open until 3 days (or 72 hours) past the due date/time. The extension window will close 3 days after the due date/time regardless of when you requested the extension.
- You will receive 50% credit for any correct problems submitted after the original due date/time and before the extension window closes.

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There are not additional extensions on homework assignments granted for excused absences. You may access WebAssign remotely and the due date allows enough time for you to complete the assignment even if you missed some class due to illness or scheduled trip. In addition, all students will be allowed to drop 3 homework grades. Extensive illnesses will be verified and accommodated through the Office of Disability Services.

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, and a 2-hour final exam.

<i>Component</i>	<i>Percentage of course grade</i>
Test 1	14%
Test 2	14%
Test 3	14%
Test 4	14%
Final Exam	20%
Homework	24%

The grading scale is as follows:

A+	97 – 100
A	93 – 96.99
A–	90.00 – 92.99
B+	85 – 89.99

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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

Test grades and the course grade may be curved at the professor's discretion.

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.
- Attend supplemental instruction for our two sections. This opportunity is not available for most sections. The *Center for Academic Success* website includes, “Students who attend three or more SI sessions typically earn a 0.5 letter grade higher than students who do not attend!”. Take advantage of the opportunity
- Be responsible for studying and recognizing what you do and do not know. If you have a question, then ask questions in office hours, talk to your fellow students, attend SI. 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/>.