



Instructor: Ashwini Bhat

- Email: ashwini.bhat@okstate.edu

Class Meeting: MTWR, 10:30 AM–12:10 PM, AGH 320
 Office Hours:

- M, 12:15-1:15 PM, MLSC
- T,W, 12:15-1:15 PM, MSCS 440

Online Classroom: oc.okstate.edu
 WebAssign: webassign.net/login.html
 Syllabus Attachment: <https://academicaffairs.okstate.edu/content/resources-students>

Required Materials:

1. Textbook: *Calculus: Early Transcendentals*, 3rd edition, by Jon Rogawski and Colin Adams
2. Online homework system WebAssign (webassign.net/login.html).
 - WebAssign Class Key: **okstate 9121 3333**.

Expectations: All students are expected to participate and be involved in class, asking and answering questions. During class, there should be **no use of cellphones, laptops, or tablets**. You should expect to spend, on average, *16 hours outside of class* on Calculus I per week during the Summer session and more if you are struggling. Should you miss class, it is your responsibility to obtain lecture notes from a classmate, including announcements made in class.

Course Policies:

Attendance: While no additional credit is given for attendance, I expect you to attend every lecture. It is very rare for a student to be successful if he or she is frequently absent.

Missing Work: I will offer reasonable accommodations in the event that you miss a major assessment activity for a valid and documented reason, assuming documentation is provided in advance unless absolutely impossible. For a quiz or exam, you need to tell me as soon as you know there is a conflict and will be ineligible for a make-up if you do not.

Grades: There are two grading schemes. For each student, I will use the one resulting in the highest grade:

	Scheme 1	Scheme 2
WebAssign	15%	15%
Quizzes	15%	15%
Hour Exams (2)	20% each	15% each
Final Exam	30%	40%

An overall score of 90% guarantees an A for the semester, 80% a B, 70% a C, and 60% a D.

Coursework:

WebAssign: All homework will be done online using WebAssign’s online homework system. You are encouraged to work together and it is good practice to keep a notebook as you work through WebAssign problems or print out the assignments. This will help when it comes time to study for exams.

Quizzes: There will be 5 in-class quizzes. I will post suggested practice problems on D2L that I feel will help you prepare for quizzes. However, quiz material will not be limited to the suggested problems. Quiz dates are announced on the schedule attached to this Syllabus.

Exams: There will be two Hour Exams which will take place in class, and a comprehensive Final Exam. The dates are as follows:

Exam 1	Thursday, June 23, 2016
Exam 2	Thursday, July 14, 2016
Final Exam	Thursday, July 28, 2016

Calculators: I will allow calculators for exams, provided that the model is a TI-84 or lower. If you are unsure whether or not your calculator is allowed, you should speak to me well in advance. **Calculators will not be allowed for quizzes unless otherwise specified.** A calculator can be a valuable tool, but not a substitute for your own conceptual understanding.

The Mathematics Learning Success Center (MLSC): The MLSC is on the 5th floor of the Edmon Low Library and is a great resource. The MLSC has tutors who work with students from Calculus II and can help answer your questions. Hours for Calculus II tutoring are:

- Monday through Thursday from 10:30 AM until 5:00 PM

For more information, visit math.okstate.edu/mlsc, or call 405-744-5818 or 405-744-5688.

Academic Integrity: Don't cheat. Do not copy off of other students, allow other students to copy your work, or present work you find in printed or electronic sources as your own. I take academic dishonesty very seriously and will deal with it as such. Carefully read the OSU policy at academicintegrity.okstate.edu. If you have further questions, please contact the Office of Academic Affairs, 101 Whitehurst, (405) 744-5627.

Drop Dates: The last day to drop with

- a full refund and without a grade of W is **June 8th, 2016.**
- a partial refund and a grade of W is **June 10th, 2016**
- no refund and a grade of W is **July 15th, 2016**
- no refund and a grade of W or F is **July 22nd, 2016**

Special Accommodations: If you think you have a qualified disability and need special accommodations, you should notify me as soon as possible and request verification of eligibility for accommodations from the Office of Student Disability Services. For more information, visit sds.okstate.edu, or call 405-744-7116.

Any changes to this Syllabus will be communicated to you in class and via e-mail.

Schedule: The following course schedule is preliminary.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
June 6th 1 <i>Introduction</i> §1.1-1.4 <i>Pre-Calculus Review</i>	7th 2 §1.5-1.6 <i>Pre-Calculus Review</i>	8th 3 §2.1 <i>Limits, Rates of Change, and Tangent Lines</i> §2.2 <i>Limits: A Numerical and Graphical Approach</i>	9th 4 §2.2 <i>Limits: A Numerical and Graphical Approach</i> §2.3 <i>Basic Limit Laws</i> Quiz 1
13th 5 §2.4 <i>Limits and Continuity</i>	14th 6 §2.5 <i>Evaluating Limits Algebraically</i> §2.6 <i>Trigonometric Limits</i>	15th 7 §2.7 <i>Limits at Infinity</i> §2.8 <i>Intermediate Value Theorem</i>	16th 8 §3.1 <i>Definition of the Derivative</i> §3.2 <i>The Derivative as a Function</i> Quiz 2
20th 9 §3.3 <i>Product and Quotient Rules</i> §3.4 <i>Rates of Change</i>	21st 10 §3.5 <i>Higher Derivatives</i> §3.6 <i>Trigonometric Functions</i>	22nd 11 <i>Review for Exam 1</i>	23rd 12 Exam 1
27th 13 §3.7 <i>The Chain Rule</i> §3.8 <i>Implicit Differentiation</i>	28th 14 §3.9 <i>Derivatives of General Exponential and Logarithmic Functions</i> §3.10 <i>Related Rates</i>	29th 15 §3.10 <i>Related Rates</i> §4.1 <i>Linear Approximation</i>	30th 16 §4.2 <i>Extreme Values</i> §4.3 <i>The Mean Value Theorem and Monotonicity</i> Quiz 3
July 4th University Holiday	5th 17 §4.4 <i>The Shape of a Graph</i> §4.5 <i>L'Hôpital's Rule</i>	6th 18 §4.6 <i>Graph Sketching and Asymptotes</i> §4.7 <i>Applied Optimization</i>	7th 19 §5.1 <i>Approximation and Computing Area</i> §5.2 <i>The Definite Integral</i> Quiz 4
11th 20 §5.4 <i>The Fundamental Theorem of Calculus, Part I</i> §5.5 <i>The Fundamental Theorem of Calculus, Part II</i>	12th 21 §5.6 <i>Net Change as the Integral of a Rate of Change</i> §5.7 <i>Substitution Method</i>	13th 22 <i>Review for Exam 2</i>	14th 23 Exam 2
18th 24 §5.7 <i>The Substitution Method</i> §5.8 <i>Further Transcendental Functions</i>	19th 25 §5.9 <i>Exponential Growth and Decay</i> §6.1 <i>Area Between Two Curves</i>	20th 26 §6.1 <i>Area Between Two Curves</i> §6.2 <i>Setting Up Integrals: Volume, Density, Average Value</i>	21st 27 §6.3 <i>Volumes of Revolution</i> Quiz 5
25th 28 <i>Catch-Up/Review for Final Exam</i>	26th 29 <i>Catch-Up/Review for Final Exam</i>	27th 30 <i>Catch-Up/Review for Final Exam</i>	28th 31 Comprehensive Final Exam