



Instructor: Ashwini Bhat

- Email: ashwini.bhat@okstate.edu

Class Meeting: 8:30 AM–9:20 AM, HSCI 331
 Office Hours:

- MF, 10:30–11:20 AM, MSCS 440
- W, 10:30–11:20 AM, MLSC

Online Classroom: my.okstate.edu
 Syllabus Attachment: <https://academicaffairs.okstate.edu/content/resources-students>

Required Materials: Textbook: *Technical Calculus with Analytic Geometry*, 5th edition, by Peter Kuhfittig

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, *6 hours outside of class* on Technical Calculus II per week 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: In the event that you need to miss an exam due to extenuating circumstances, you must let me know as soon as you are aware of a conflict. You will need to provide valid documentation in order to be eligible for a make-up exam. Because your three lowest quiz scores will be dropped, there will be no make-up quizzes given for any reason.

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

	Scheme 1	Scheme 2
Quizzes	30%	30%
Hour Exams (3)	15% each	10% each
Final Exam	25%	40%

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

Coursework:

Written homework: I will regularly assign homework problems and expect you to work through them carefully. While no homework will be submitted for a grade, many of the quizzes will cover material from the assigned problems.

Quizzes: There will be 8 in-class quizzes of which I will take your 5 best scores, that is, I will drop your 3 lowest scores. Quiz dates are announced on the schedule attached to this Syllabus.

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

- Exam 1 Friday, September 16
- Exam 2 Wednesday, October 12
- Exam 3 Friday, November 11
- Final Exam Wednesday, December 7 from 8:00 AM to 9:50 AM

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 Technical Calculus II and can help answer your questions. The hours of operation are:

- Monday through Thursday from 9:00 AM until 9:00 PM
- Friday from 9:00 AM until 5:00 PM
- Sunday from 1:00 PM until 9:00 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 **August 22nd, 2016.**
- a partial refund and a grade of W is **August 26th, 2016**
- no refund and a grade of W is **November 4th, 2016**
- no refund and a grade of W or F is **November 18th, 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	WEDNESDAY	FRIDAY
Aug 15th <i>Introduction</i> §6.1 <i>Review of Trigonometry</i>	17th §6.2 <i>Derivatives of Sine and Cosine Functions</i>	19th §6.3 <i>Other Trigonometric Functions</i> Quiz 1
22nd §6.4 <i>Inverse Trigonometric Functions</i>	24th §6.5 <i>Derivatives of Inverse Trigonometric Functions</i>	26th §6.6 <i>Exponential and Logarithmic Functions</i> Quiz 2
29th §6.7 <i>Derivative of the Logarithmic Function</i>	31st §6.8 <i>Derivative of the Exponential Function</i>	Sep 2nd §6.9 <i>L'Hôpital's Rule</i> Quiz 3
5th University Holiday	7th §6.9 <i>L'Hôpital's Rule</i>	9th §7.1 <i>The Power Formula</i>
12th §7.2 <i>Logarithmic and Exponential Forms</i>	14th <i>Review for Exam 1</i>	16th Exam 1 §6.1-6.9
19th §7.3 <i>Trigonometric Forms</i>	21st §7.4 <i>Further Trigonometric Forms</i>	23rd §7.5 <i>Inverse Trigonometric Forms</i> Quiz 4
26th §7.6 <i>Integration by Trigonometric Substitution</i>	28th §7.6 <i>Integration by Trigonometric Substitution</i>	30th §7.7 <i>Integration by Parts</i> Quiz 5
Oct 3rd §7.7 <i>Integration by Parts</i>	5th §8.1 <i>Vectors and Parametric Equations</i>	7th §8.1 <i>Vectors and Parametric Equations</i>
10th <i>Review for Exam 2</i>	12th Exam 2 §7.1-7.7	14th Fall Break
17th §8.2 <i>Arc Length</i>	19th §8.2 <i>Arc Length</i>	21st §8.3 <i>Polar Coordinates</i> Quiz 6
24th §8.3 <i>Polar Coordinates</i>	26th §8.4 <i>Curves in Polar Coordinates</i>	28th §9.1 <i>Surfaces in Three Dimensions</i> Quiz 7
31st §9.1 <i>Surfaces in Three Dimensions</i>	Nov 2nd §9.2 <i>Partial Derivatives</i>	4th §9.2 <i>Partial Derivatives</i>
7th §9.4 <i>Iterated Integrals</i>	9th <i>Review for Exam 3</i>	11th Exam 3 §8.1-9.1
14th §9.4 <i>Iterated Integrals</i>	16th §9.5 <i>Volumes by Double Integration</i>	18th §9.5 <i>Volumes by Double Integration</i> Quiz 8
21st <i>Catch-up/Review for Final Exam</i>	23rd Thanksgiving Break	25th Thanksgiving Break

MONDAY	WEDNESDAY	FRIDAY
28th 42 <i>Catch-up/Review for Final Exam</i>	30th 43 <i>Catch-up/Review for Final Exam</i>	Dec 2nd 44 <i>Catch-up/Review for Final Exam</i>

WEDNESDAY
Dec 7th Comprehensive Final Exam 8:00 AM–9:50 AM, HSCI 331