



## Math 2153 - 62376, Calculus II, Fall 2017

**Instructor:** Ali Pirhadi

**Email:** [pirhadi@okstate.edu](mailto:pirhadi@okstate.edu)

**Class Meeting:** 08:30 - 09:20 AM, Life Science East 215

**Office Hours:**

MW: 10:45 – 11:30 AM, MSCS (Math building) 518

F: 9:30 – 10:20 AM, MLSC (the North tutoring room)

**MLSC:** <https://mlscokstate.com/>

**Brightspace/D2L site:** <https://online.okstate.edu> (then log in and find our course)

**WebAssign:** <https://www.webassign.net/login.html>

**Prerequisite:** Grade of C or better in Math 2144 or equivalent.

### Required Materials:

1. Textbook: Calculus: Early Transcendentals, 3rd edition, by Jon Rogawski.
2. Online homework system WebAssign.

**WebAssign class key:** **okstate 7050 9723**

Note that you will have a two-week grace period before needing to enter an access code to use WebAssign, so you should get started on the homework right after the first homework gets assigned.

### Important Dates:

**Monday, August 28:** Deadline for dropping without a W (and full tuition refund).

**Friday, September 1:** Deadline for dropping with a W (and partial tuition refund). Deadline to parachute down to Calculus I

**Friday, November 10:** W Drop/Withdraw deadline.

**Monday, December 4, to Friday, December 8:** Prefinals Week (a.k.a. Dead Week).

**Monday, December 11, to Friday, December 15:** Finals Week

**Expectations:** All students are expected to participate and be involved in class, asking and answering questions.

**During class, no use of cellphones, laptops, or tablets.**

You should expect to spend, on average, 6 hours outside of class on 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.

**Syllabus Attachment:** Please read the OSU syllabus attachment, available on your D2L for this course (you can find it under the “Content” tab.)

This has a lot of important information, including instructions about disability accommodations.

**Course Policies:** Attendance is required. It is rare for a student to do well if he or she misses many classes.

**Conflicts:** I will offer reasonable accommodation 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 you have a conflict and will be ineligible for a make-up if you do not. If you won't be in class when homework is due, turn it in early or give it to someone else to turn in prior to the deadline. I require proof of the reason for your absence (e.g., a doctor's note, proof of involvement in an OSU-sponsored activity, etc.), and you should not assume you will be eligible for a make-up exam or quiz unless I have explicitly approved your request.

**Grades:** Our grades policy is described in the table below

WebAssign	12%
Quizzes	18%
Hour Exams (3)	15% each
Final Exam	25%

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

I reserve the right to use discretion if you are on the borderline between two grades, considering performance on the final exam, improvement or decline during the semester, attendance, and my subjective judgment of your effort.

#### **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 6 in-class quizzes. 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 29

**Exam 2:** Friday, October 27

**Exam 3:** Friday, December 1

Note that the above dates are tentative and I will communicate any changes in class and through email.

**Final Exam:** Friday, December 15 from 08:00 to 09:50 AM (will also take place in our class)

You must tell me in writing by **the end of the second week**, if you have a university-approved conflict with the final exam time; if you do not meet that deadline, you may not be allowed to take a conflict exam, and if you are, you will have your score decreased up to 15% as a penalty. I cannot give a conflict exam if you do not have a university-approved conflict.

**Calculators:** I will allow calculators without QWERTY keyboards, Internet connections, and symbolic manipulation capabilities for exams. (That is, I will not allow calculators that can do indefinite integrals for you.) 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):** Often students find it helpful to talk to each other and work through homework or practice problems together. I highly encourage you to go to the MLSC to do your homework, working with other students and taking advantage of the free help there. 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 MLSC are:

- Monday through Thursday from 9:00 AM until 9:00 PM
- Friday from 9:00 AM until 5:00 PM
- Saturday Closed
- Sunday from 1:00 PM until 9:00 PM

**Tutoring for Calculus II will be in the North tutoring room.**

For more information, visit <https://mlscokstate.com/>, 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](http://academicintegrity.okstate.edu). If you have further questions, please contact the Office of Academic Affairs, 101 Whitehurst, (405) 744-5627.

**Special Accommodations:** If you think you have a qualified disability and need special accommodations, please contact me privately during the first week of the course and request verification of eligibility for accommodations from the Office of Student Disability Services. For more information, visit [sds.okstate.edu](http://sds.okstate.edu), or call 405-744-7116.

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

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# August

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
31	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21 Introduction §5.7-5.8 Review of u- substitution	22	23 §7.1 Integration by Parts	24	25 §7.1 Integration by Parts	26	27
28 §7.2 Trigonometric Integrals	29	30 §7.2 Trigonometric Integrals	31	01	02	03
04	05	Notes:				

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## September

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
28	29	30	31	01 §7.3 Trigonometric Substitution	02	03
04 No classes	05	06 §7.3 Trigonometric Substitution	07	08 §7.5 The Method of Patial Fractions <i>Quiz 1: §7.2 and §7.3</i>	09	10
11 §7.5 The Method of Patial Fractions	12	13 §7.5 The Method of Patial Fractions §7.7 Improper Integrals	14	15 §7.7 Improper Integrals	16	17
18 §7.7 Improper Integrals	19	20 §7.9 Numerical Integration	21	22 §7.9 Numerical Integration <i>Quiz 2: §7.5, §7.7</i>	23	24
25 §8.3 Center of Mass	26	27 Review for Exam 1	28	29 Exam 1 §7.1-7.9	30	01
02	03	Notes:				

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October

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
25	26	27	28	29	30	01
02 §8.3 Center of Mass §8.4 Taylor Polynomials	03	04 §8.4 Taylor Polynomials	05	06 §8.4 Taylor Polynomials	07	08
09 §10.1 Sequences	10	11 §10.1 Sequences	12	13 §10.2 Summing an Infinite Series <i>Quiz 3: §8.3 and §8.4</i>	14	15
16 §10.2 Summing an Infinite Series	17	18 §10.3 Convergence of Series <i>Quiz 4: §10.1 and §10.2</i>	19	20 No classes	21	22
23 §10.3 Convergence of Series with Positive Terms	24	25 Review for Exam 2	26	27 Exam 2 §8.3-§8.4, §10.1-§10.3	28	29
30 §10.3 Convergence of Series with Positive Terms §10.4 Absolute and Conditional Convergence	31	Notes:				

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## November

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
30	31	01 §10.4 Abs. and Cond. Convergence	02	03 §10.5 The Ratio and Root Tests	04	05
06 §10.5 The Ratio and Root Tests	07	08 §10.6 Power Series	09	10 §10.6 Power Series Quiz 5: §10.4 and §10.5	11	12
13 §10.7 Taylor Series	14	15 §10.7 Taylor Series	16	17 §11.1 Parametric Equations Quiz 6: §10.6 and §10.7	18	19
20 §11.1 Parametric Equations	21	22 Thanksgiving Break	23	24 Thanksgiving Break	25	26
27 §11.2 Arc Length and Speed	28	29 Review for Exam 3	30	01	02	03
04	05	Notes:				

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# December

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
27	28	29	30	01 Exam 3 §10.3-11.1	02	03
04 §11.2 Arc Length and Speed §11.3 Polar Coordinates	05	06 §11.3 Polar Coordinates	07	08 Review for Final Exam	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31