

Math 2153, Calculus II, Spring 2016, Section 003



Instructor: Ali Pirhadi

Email: pirhadi@okstate.edu

Class Meeting: 9:30 AM–10:20 AM, PS 355

Office Hours:

T,R, 10:30 AM–11:20 AM, MSCS 413

M, 1:00 PM–1:50 PM, MLSC

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 5994 2834

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

WebAssign	10%
Quizzes	20%
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 8 in-class quizzes of which I will take your 5 best scores, that is, I will drop your **three** 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, February 12
Exam 2	Friday, March 4
Exam 3	Friday, April 22
Final Exam	Friday, May 6 from 8:00 AM to 9:50 AM

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): 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 12:00 PM until 9:00 PM
- Friday from 12:00 PM 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 **February 19th, 2016.**
- a partial refund and a grade of W is **February 22nd, 2016**
- no refund and a grade of W is **April 8th, 2016**
- no refund and a grade of W or F is **April 22nd, 2016**

The last day to "parachute" to a lower level course is **Friday, January 22nd.**

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
Jan 11th Introduction §5.7-5.8 <i>Review of u-substitution</i> 1	13th §5.7-5.8 <i>Review of u-substitution</i> §7.1 <i>Integration by Parts</i> 2	15th §7.1 <i>Integration by Parts</i> Quiz 1 3
18th University Holiday	20th §7.2 <i>Trigonometric Integrals</i> 4	22nd §7.2 <i>Trigonometric Integrals</i> 5
25th §7.3 <i>Trigonometric Substitution</i> 6	27th §7.3 <i>Trigonometric Substitution</i> §7.5 <i>The Method of Partial Fractions</i> 7	29th §7.5 <i>The Method of Partial Fractions</i> Quiz 2 8
Feb 1st §7.5 <i>The Method of Partial Fractions</i> 9	3rd §7.6 <i>Strategies for Integration</i> <i>Review of Indeterminate Forms and Limits</i> 10	5th §7.7 <i>Improper Integrals</i> Quiz 3 11
8th §7.7 <i>Improper Integrals</i> 12	10th <i>Review for Exam 1</i> 13	12th Exam 1 §7.1-7.7 14
15th §7.9 <i>Numerical Integration</i> 15	17th §7.9 <i>Numerical Integration</i> 16	19th §8.4 <i>Taylor Polynomials</i> Quiz 4 17
22nd §8.4 <i>Taylor Polynomials</i> 18	24th §10.1 <i>Sequences</i> 19	26th §10.1 <i>Sequences</i> §10.2 <i>Summing an Infinite Series</i> 20
29th §10.2 <i>Summing an Infinite Series</i> 21	Mar 2nd <i>Review for Exam 2</i> 22	4th Exam 2 §7.9-10.2 23
7th §10.3 <i>Convergence of Series with Positive Terms</i> 24	9th §10.3 <i>Convergence of Series with Positive Terms</i> 25	11th §8.2 <i>Fluid Pressure and Force</i> 26
14th Spring Break	16th Spring Break 27	18th Spring Break
21st §10.4 <i>Absolute and Conditional Convergence</i> 28	23rd §10.4 <i>Absolute and Conditional Convergence</i> 29	25th §10.5 <i>The Ratio and Root Tests/Strategies for Choosing Tests</i> Quiz 5 30
28th §10.6 <i>Power Series</i> 31	30th §10.6 <i>Power Series</i> 32	Apr 1st <i>Taylor Series 10.7§</i> Quiz 6 33
4th §10.7 <i>Taylor Series</i> 34	6th §10.7 <i>Taylor Series</i> 35	8th §11.1 <i>Parametric Equations</i> Quiz 7 36
11th §11.1 <i>Parametric Equations</i> 37	13th §11.2 <i>Arc Length and Speed</i> 38	15th §11.2 <i>Arc Length and Speed</i> Quiz 8 39
18th §11.3 <i>Polar Coordinates</i> 40	20th <i>Review for Exam 3</i> 41	22nd Exam 3 §10.4-11.2 42

MONDAY	WEDNESDAY	FRIDAY
25th §11.3 <i>Polar Coordinates</i> 43	27th §11.4 <i>Area and Arc Length in Polar Coordinates</i> 44	29th <i>Catch-up/Review for Final Exam</i> 45

FRIDAY
May 6th Comprehensive Final Exam 8:00 AM–9:50 AM

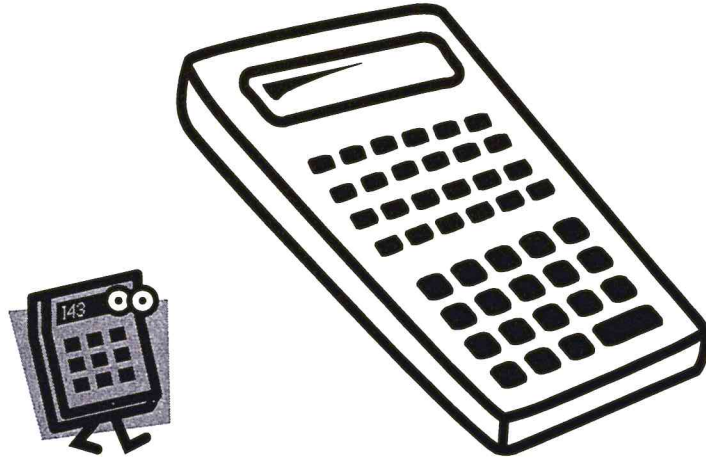
Spring 2016 Final Exam Schedule

How to read this chart:

- Each block contains a regular semester class day/time (Ex: MWF 10:30).
- Locate the time of your regular class within the blocks, then refer to the left edge and top edge of the chart (in orange) to determine when your final exam will be held. For example, if your class meets regularly on MWF at 10:30am, your final will be Monday, May 2 from 10:00-11:50am.
- Exceptions:** Some courses have common final exams, which means all sections of a given course take the final at the same time, regardless of when your section is regularly held. For example, all CHEM 1215 sections take the final on Monday, May 2 from 12:00-1:50pm.

		TIME OF THE FINAL EXAMINATION						
		8:00-9:50am	10:00-11:50am	12:00-1:50pm	2:00-3:50pm	4:00-5:50pm	6:00-7:50pm	8:00-9:50pm
DAY OF FINAL EXAM	Monday, May 2	If your class meets: MWF 7:30am MW 8:00am (Block 1)	If your class meets: MWF 10:30am (Block 2)	Common Finals If your course is: CHEM 1215 or CHEM 1515 (see syllabus for location of your section's exam) CHEM 1215 locations: PS 110, 141 CHEM 1515 locations: AGH 101, 107, 108; ES 317; NRC 106; PS 103	If your class meets: MWF 1:30pm (Block 3)	Common Finals If your course is: CHEM 1314 or MSIS 3223 (see syllabus for location of your section's exam) CHEM 1314 locations: AGH 002, 101, 107, 108; PS 101, 103; LSW 103 MSIS 3223 locations: ANSI 123, CLB 313, EN 10S, ES 317, MUR 035, NRC 106	If your class meets: Monday Early Evening* or MWF 4:30pm or MW 4:00pm (Block 16)	If your class meets: Monday Night**
	Tuesday, May 3	If your class meets: TR 9:00am (Block 4)	If your class meets: TR 12:30pm (Block 5)	Common Finals If your course is: PHYS 2114 or FIN 3113 (see syllabus for location of your section's exam) PHYS 2114 locations: PS 101, 110, 141, 153 FIN 3113 locations: ANSI 123; CLB 313; ES 317; HES 236; NRC 106	If your class meets: TR 2:00pm (Block 6)	Common Finals If your course is: MATH 1513 or PHYS 2014 (see syllabus for location of your section's exam) MATH 1513 locations: ANSI 123; CLBN 101, 102; EN 108; MSCS 101 PHYS 2014 locations: PS 101, 103, 110, 141, 153, 355	If your class meets: Tuesday Early Evening*	If your class meets: Tuesday Night**
	Wednesday, May 4	If your class meets: MWF 8:30am (Block 7)	If your class meets: MWF 11:30am (Block 8)	Common Finals If your course is: CHEM 1414 or NSCI 2114 (see syllabus for location of your section's exam) CHEM 1414 locations: AGH 101, 107, 108; PS 101, 110, 141, 153 NSCI 2114 locations: CLB 313, NRC 106	If your class meets: MWF 2:30pm MW 2:30pm (Block 9)	Common Finals If your course is: PHYS 1114 or ENSC 2113 (see syllabus for location of your section's exam) PHYS 1114 locations: PS 101, 103, 110, 141, 153 ENSC 2113* locations: ANSI 123; ARCH 170; ES 317; NRC 106	If your class meets: Wednesday Early Evening*	If your class meets: Wednesday Night**
	Thursday, May 5	If your class meets: TR 7:30am (Block 10)	If your class meets: TR 10:30am (Block 11)	Common Finals If your course is: MATH 1613 or MATH 2144 (see syllabus for location of your section's exam) MATH 1613 locations: PS 101, 103, 110, 141 MATH 2144 locations: AGH 002, 275, 320; CLB 101, 103, 301, 303; CLBN 101, 102; MSCS 101	If your class meets: TR 3:30pm (Block 12)	Common Finals If your course is: BIOL 1114 or ACCT 2203 (see syllabus for location of your section's exam) BIOL 1114 locations: ANSI 123, CLB 313, EN 108, ES 317, LSW 103 ACCT 2203 locations: CLBN 101, 102; NRC 106; MUR 035; MSCS 101	If your class meets: Thursday Early Evening*	If your class meets: Thursday Night**
	Friday, May 6	If your class meets: MWF 9:30am (Block 13)	If your class meets: MWF 12:30pm (Block 14)	Common Finals If your course is: PHYS 1214 (see syllabus for location of your section's exam) PHYS 1214 locations: PS 101, 110, 141, 153	If your class meets: MWF 3:30pm (Block 15)	Make – up Exams	If your class meets: Friday Early Evening*	If your class meets: Friday Night**
Exam Legend /Additional Exam Information: *Early Evening Exams – Classes that begin at or after 4:00pm, but before 6:00pm. **Night Exams – Classes that begin at or after 6:00pm. Exam Locations – with the exception of common finals, the location of the final exam is the regular meeting place of the class. Saturday Classes. Exams for classes meeting on Saturday will be held on the Saturday morning at the end of finals week (time determined by instructor). Final exam schedule is subject to change (check http://registrar.okstate.edu/exams close to final exam week for updates)					For faculty/staff use only: Exam blocks for classes that meet MWF 7:30a/MW 8:00a = Block 1 MWF 8:30a = Block 7 MWF 9:30a = Block 13 MWF 10:30a = Block 2 MWF 11:30a = Block 8 MWF 12:30p = Block 14 MWF 1:30p = Block 3 MWF 2:30p/MW 2:30p = Block 9 MWF 3:30p = Block 15 MWF 4:30p/MW 4:00p = Block 16 TR 7:30a = Block 10 TR 9:00a = Block 4 TR 10:30a = Block 11 TR 12:30p = Block 5 TR 2:00p = Block 6 TR 3:30p = Block 12			

CALCULATOR CHECKOUT SPRING 2016



**Location:
Math Science 401**

**Dates:
January 11 to April 29, 2016**

Times: 8:00am to 5:00pm

**Call ahead for possible office closures
405-744-5688**

**Must be enrolled in a MATH, STAT
or NOC course
Please bring your student ID!**