

Calculus II, 2153 Syllabus

Fall 2012

Instructor:

Jesse Johnson, jjohnson@math.okstate.edu

Office hours: MW 10:30-12:00 and by appointment

Office: MSCS 505

Grades:

Grades will be based on a point system rather than percentages. Homework and exams are worth the following point values:

Midterms	300 each (total 900)
Final	600
Webassign/2	350 maximum
Group work	150
Total:	2000

(Webassign/2 means half the number of points earned on Webassign, up to a maximum of 350.)

Grades will be assigned as follows:

1800-2000	A
1600-1799	B
1400-1599	C
1200-1399	D
0-1199	F

Homework:

There will be one Webassign problem set for each week class, due by 9am on Wednesday of the following week. Every two points on webassign is worth one point towards your total grade, up to a maximum of 335 points towards the final grade. The Webassign key is **okstate 0319 0103**

Group work:

Students will form groups of three to work on group problems. Three problems will be assigned each Friday, except for the three midterm days and the last week of class. Groups will work on the problems in class each Friday, and can continue to work on them outside of class the following week. Problem sets will be due at the beginning of class the following Friday, or the Monday after each midterm. Each group member must hand in all three problems, but only one problem from each group member's assignment (selected by the instructor) will be graded.

Exams:

There will be three midterms in class on the following dates. The Wednesday class before each midterm will be a review session.

Midterm 1 – Friday, September 21st

Midterm 2 – Friday, October 26th

Midterm 3 – Friday, November 30th

The final exam is on Wednesday, December 12th at 8:00am.

Calculus III, 2163 Schedule

Spring 2012

Week 1 – 8/20-8/24

Sections 7.1 and 7.2: Integration by parts and trigonometric integrals.

Week 2 – 8/27-8/31

Sections 7.3 and 7.4: Trigonometric substitution and partial fractions.

Week 3 – 9/5-9/7 (No school Monday, 9/3)

Section 7.5: Integration strategy.

Week 4 – 9/10-9/14

Sections 7.8 and 8.1: Improper integrals and arc length.

Week 5 – 9/17-9/21

Section 8.2: Areas of surfaces of revolution

Review on Wednesday and Midterm 1 on Friday, 9/21.

Week 6 – 9/24-9/28

Sections 11.1 and 11.2: Sequences and series.

Week 7 – 10/1-10/3 (No school Friday, 10/5)

Sections 11.2 (continued) and 11.3: The integral test

Week 8 – 10/8-10/12

Sections 11.4: The comparison test.

Week 9 – 10/15-10/19

Sections 11.5-11.6: Alternating series and the ratio and root tests.

Week 10 – 10/22-10/26

Section 11.7: Series testing strategies

Review on Wednesday and Midterm 2 on Friday, 10/26.

Week 11 – 10/29-11/2

Sections 11.8 and 11.9: Power series and series representations of functions.

Week 12 – 11/5-11/9

Sections 11.10 and 10.1: Taylor series and parametric curves.

Week 13 – 11/12-11/16

Sections 10.2 and 10.3: Calculus of parametric curves and polar coordinates

Week 14 – 11/19-11/21 (No class on Wednesday and Friday, 11/21-23)

Section 10.3 (continued): Polar coordinates

Week 15 – 11/26-11/30

Section 10.4: Polar area and arc length

Midterm review on Wednesday, Midterm 3 on Friday, 11/30.

Week 16 – 12/3-12/7

Section 10.5: Conic sections.

Review for Final on Wednesday and Friday.

Calculus III, 2163 Policies

Spring 2012

- **Makeup exams** - Under reasonable circumstances, makeup exams can be scheduled for midterms and the final. Students must request a makeup exam by e-mail **at least one week before** the scheduled exam. In emergency circumstances, makeups can be scheduled on shorter notice or after the exam has been missed.
- **Practice exam problems** – Before each exam, the instructor will provide a list of practice problems from the book. These problems will roughly reflect the types of problems and level of difficulty students can expect on the exam. Solutions will not be provided but students will have the opportunity to discuss solutions during the review session before each exam.
- **Honors contracts** – Students can sign honors for the class. Please discuss this with the instructor after class during the first week.
- **Webassign extensions** – Students are responsible for setting up their webassign system accounts immediately at the beginning of the semester. Extensions of individual assignments will only be granted under extreme circumstances.
- **Late group work** – Group problem sets will be due at the beginning of class each Friday. If a student is unable to attend a Friday class, they must either give their problem set to a fellow group member before class or turn in the assignment at the math front office (MSCS 401) by 5pm on the day it is due. In extreme circumstances, extensions may be granted but otherwise, **group work assignments will not be accepted after 5pm on the day they're due.**
- **Missing group work** – Each group will be assigned a grade based on the assignments turned in on time. Students who do not turn in an assignment will receive a 0 for that week. Students who do turn in the assignment will not be penalized for fellow group members' missing assignments.
- **Attendance** – Attendance will not be taken in lectures and will not be reflected in grades. Students are responsible for learning the material from any missed classes. For missed group work days, students should arrange to discuss group problems with their fellow group members outside of class.
- **Cell phones and calculators** – Cell phones must be put away and either turned off or silenced during class. No electronic devices, including cell phones and calculators, will be allowed during exams.