

MATH 166 (28–30) Calculus II (4 credits) Fall 2015

Course Topics: Integral calculus, applications of the integral, infinite series.

Class Meeting Time & Place: MWF: 12:10–1:00pm; 1227 Hoover

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|------------------------|---|-------------------------------|
| Instructor: | Derrick Stolee | Pierson Guthrey (TA) |
| E-mail: | dstolee@iastate.edu | pguthrey@iastate.edu |
| Office: | 416 Carver | 489 Carver |
| Office Hours: | MWF: 11:00–11:50am M: 1:10–2:00pm (or by appointment) | ?? (or by appointment) |
| Course Webpage: | http://orion.math.iastate.edu/dstolee/teaching/15-166/ | |

Prerequisite: MATH 165 or equivalent.

Textbook: *Thomas' Calculus, Early Transcendentals, 12th ed.*

Calculator: A graphing calculator is required for this course. The use of a calculator will be allowed in parts of the midterm exam and final exam. Calculators will not be allowed in quizzes and in-class exams, unless announced otherwise.

Course Schedule: Please visit the course webpage for the course schedule of this class. The lecture topics, quiz and exam dates are listed on it.

Course Outline:

- Chapter 6: Applications of the Definite Integral
- Chapter 8: Techniques of Integration
- Chapter 10: Infinite Sequences and Series
- Chapter 11: Parametric Equations and Polar Coordinates

Homework: Your textbook comes with a subscription to MyLabsPlus, which will be used for online homework, worth 15% of your final grade. Assignments are due on Monday evening at 11:59pm (covering the previous week's material), and should take at least an hour each week. Assignment 1 is an exception: it is due on Thursday, September 3, to accommodate late registrations.

Recitation and Quizzes: There are three recitation sections on Tuesdays. These are opportunities to practice problem solving with the advice of Pierson Guthrey. There will also be weekly homework quizzes (except days before exams), with a 10-minute quiz. All quiz problems will be from the textbook homework problems. Quizzes count for 10% of the final grade, and the lowest two scores will be dropped.

Exams: There will be two in-class exams and one final exam. The dates are as follows:

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|-------------------------|--|--------------------|
| <i>In-Class Exam 1:</i> | Sep. 16, 12:10–1:00pm, Hoover 1227. | 15% of final grade |
| <i>Mid-Term Exam:</i> | *** Oct. 7th, 8:15–9:45pm, Carver 101. *** | 20% of final grade |
| <i>In-Class Exam 2:</i> | Nov. 11, 12:10–1:00pm, Hoover 1227. | 15% of final grade |
| <i>Final Exam:</i> | TBA | 25% of final grade |

Blackboard: During the semester, important announcements and course content will be posted to the course page on Blackboard. Be sure to check your email and Blackboard at least once per day, especially before lecture.

The instructors reserve the right to make changes to this course.

Grading: Course grades will be posted on [Blackboard Learn](#) after each exam. The final course grade is based on the total scores from MyLabsPlus homework, quizzes, in-class exams, midterm exam and final exam. A review of the grade breakdown is below, including a letter-grade distribution.

| Assignment | Date | % of total |
|-----------------------------|----------|------------|
| <i>MyLabsPlus Homework:</i> | Weekly | 15% |
| <i>Quizzes:</i> | Weekly | 10% |
| <i>In-Class Exam 1:</i> | Sep. 16 | 15% |
| <i>Mid-Term Exam:</i> | Oct. 7th | 20% |
| <i>In-Class Exam 2:</i> | Nov. 11 | 15% |
| <i>Final Exam:</i> | TBA | 25% |

| Letter | Percentage |
|--------|------------|
| A | 92–100 |
| A– | 90–91 |
| B+ | 88–89 |
| B | 82–87 |
| B– | 80–81 |
| C+ | 78–79 |
| C | 72–77 |
| C– | 70–71 |
| D+ | 68–69 |
| D | 62–67 |
| D– | 60–61 |
| F | 0–59 |

Help: Help can be obtained from the following resources:

- Office hours of the instructor and TA (or by appointment)
- MATH 166 Group Office Hours (to be posted online)
- [Supplementary Instruction](#) (Academic Success Center at 1060 Hixson-Lied)
- [Tutoring Services](#) (Academic Success Center)

Electronic Devices: Cell phones and other communications devices should be turned off during class time. In the event that a student needs to keep his/her cell phone on for an emergency, please notify the instructor before class. During class time, laptop computers should only be used for class appropriate purposes. *Smart watches will not be allowed during exams. Leave them at home or stow them in your bag before any exam.*

Mathematics Department Policies: For more information, see <http://www.math.iastate.edu/Faculty/ClassPolicies.html>.

University Policies

Academic Dishonesty The class will follow Iowa State University's policy on academic dishonesty. Anyone suspected of academic dishonesty will be reported to the Dean of Students Office. <http://www.dso.iastate.edu/ja/academic/misconduct.html>

Disability Accommodation Iowa State University complies with the Americans with Disabilities Act and Sect 504 of the Rehabilitation Act. If you have a disability and anticipate needing accommodations in this course, please contact (instructor name) to set up a meeting within the first two weeks of the semester or as soon as you become aware of your need. Before meeting with (instructor name), you will need to obtain a SAAR form with recommendations for accommodations from the Disability Resources Office, located in Room 1076 on the main floor of the Student Services Building. Their telephone number is 515-294-7220 or email disabilityresources@iastate.edu. Retroactive requests for accommodations will not be honored.

Dead Week This class follows the Iowa State University Dead Week policy as noted in section 10.6.4 of the Faculty Handbook <http://www.provost.iastate.edu/resources/faculty-handbook>.

Harassment and Discrimination Iowa State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon race, ethnicity, sex (including sexual assault), pregnancy, color, religion, national origin, physical or mental disability, age, marital status, sexual orientation, gender identity, genetic information, or status as a U.S. veteran. Any student who has concerns about such behavior should contact his/her instructor, Student Assistance at 515-294-1020 or email dso-sas@iastate.edu, or the Office of Equal Opportunity and Compliance at 515-294-7612.

Religious Accommodation If an academic or work requirement conflicts with your religious practices and/or observances, you may request reasonable accommodations. Your request must be in writing, and your instructor or supervisor will review the request. You or your instructor may also seek assistance from the Dean of Students Office or the Office of Equal Opportunity and Compliance.

Contact Information If you are experiencing, or have experienced, a problem with any of the above issues, email academicissues@iastate.edu.