

COURSE SYLLABUS - FALL 2018

MATH 151

Sections 7 - 14

Calculus for Business and Social Science
(3 credits)

Instructor: Dr. Jason McCullough

Office: 452 Carver Hall

Email: jmccullo@iastate.edu (Best way to contact me.)

Phone: 515-294-8150

Office Hours: MF 2:00 - 3:00pm, W 1:10 - 2:00pm , or by appointment

Lecture: MF 3:10pm-4:00am, 1210 Lebaron Hall

Recitations:

Section	Day	Time	Room	TA
7	Tuesday	3:10pm-4:00pm	Beyer 1308	Kate Lorenzen
8	Tuesday	3:10pm-4:00pm	Curtiss 0108	Justin Covert
9	Wednesday	3:10pm-4:00pm	Black 1034	Kate Lorenzen
10	Wednesday	3:10pm-4:00pm	Carver 0098	Justin Covert
11	Thursday	3:10pm-4:00pm	Agron 2026	Kate Lorenzen
12	Thursday	3:10pm-4:00pm	Pearson 3149	Justin Covert
13	Tuesday	3:10pm-4:00pm	Howe 1246	Ashley Heath
14	Wednesday	3:10pm-4:00pm	Carver 0282	Ashley Heath

Textbook: Calculus with Applications by Lial et. al. (11th edition) (bundled with My-MathLab Plus access code. See RedShelf info on Canvas.)

Brief description of goals and objectives: The objective of this course is to explore differential and integral calculus with an emphasis on applications. A comprehensive list of objectives is available online under “Objectives”:

<https://orion.math.iastate.edu/dept/CoursePages/151/>

Prerequisites: Satisfactory performance on placement exam, 2 years of high school algebra, 1 year of high school geometry.

Note: Only one of MATH 151, MATH 160, the sequence MATH 165-MATH 166, or MATH 181 may be counted towards graduation.

Online resources: The class has a page in Canvas with linked MyMathLab homework site. The Canvas site contains grades, the syllabus, and course announcements. Login to Canvas from the main www.iastate.edu webpage with your NetID. For problems related to MyMathLab logins, see Carly Harryman at one of the following times:

Tuesday, August 21, 10:00am - 3:00pm - 385 Carver Hall

Wednesday, August 22, 9:30am - 3:30pm - 248 Bessey Hall

Thursday, August 23, 10:30am - 3:00pm - 053 Physics Hall

Homework (10%) Homework will be done online with MyMathLab which will automatically enroll students and can be accessed via Canvas. Access to the system is obtained via Canvas/Redshelf. (See directions on Canvas.)

There will be 14 homework assignments. Homework assignments will be due on Sundays by 11:59 PM. Homework problems may be attempted as often as desired and the 2 lowest homework scores will be dropped. There will be no makeups for homework (including for computer issues).

Quizzes (15%) A 15-minute quiz will be given at the end of most recitation meetings. (See tentative schedule.) A total of 10 quizzes will be given during the semester. Your lowest 2 quiz scores will be dropped at the end of the semester.

Exams (75%) There will be 3 midterms and a common departmental final for the course. The 3 midterms will be taken in MyMathLab at a campus testing center. You will have a 3-day window to complete the 60-minute exam. Exams are taken at one of the ELO Testing Centers: Gilman 2552 and Gilman 2352, Durham 139, Carver 60 and 250. Be sure to **bring your ID** with you on exam days. The dates for the midterms are as follows:

Exam 1 (Chapter R - Section 3.2) - Wednesday, Sep. 19 - Friday, Sep 21.

Exam 2 (Section 3.3 - Section 5.1) - Wednesday, Oct. 17 - Friday, Oct. 19.

Exam 3 (Section 5.2 - Section 7.1) - Monday, Nov. 12 - Wednesday, Nov. 14.

Final Exam (Chapter R - Section 8.1) - Exam Time TBD

The final exam will be a 2-hour, written, comprehensive exam. Since our final exam is a departmental common final exam, it will not be scheduled until sometime in November. Do not make travel plans that cannot be altered for finals week. All exams and quizzes are closed book and closed notes. Exams must be taken during the scheduled times. Makeup exams will only be given for approved reasons as outlined in departmental policies:

<https://dept.math.iastate.edu/syllabus-and-class-policies/>.

The final exam will count as equal to 2 midterm scores. Your lowest exam score from these 5 scores (3 from midterms, 2 from the final) will be dropped.

Calculators: A scientific or graphing calculator is allowed on all exams and quizzes: A scientific or graphing calculator (e.g. TI-30X, TI-83) is allowed. Calculators with calculus functions (e.g. TI-89, TI-92), QWERTY keyboards, touch screens, or wireless/cellular connections are allowed. **A cell phone is not a calculator for the purposes of this class..**

If in doubt about your calculator, ask your instructor.

How to get help:

1. Come to office hours: Office hours for your instructor and TAs are posted on Canvas. You are free to attend any office hour for any TA or instructor.
2. Supplemental Instruction (SI) is available for this course. Michael Swanson is the SI for this course. This does not replace attending class, reading the book, and other course work. Information about SI is available online: <http://www.asc.dso.iastate.edu/supplemental/>.
3. ISU Tutoring Services: You may request tutoring sessions through ISU's tutoring service. More info is available here: <https://www.asc.dso.iastate.edu/tutoring>.

Grading policy: An overall score of 90% or better guarantees at least an A-; 80% or better guarantees at least a B-; 70% or better guarantees at least a C-; 60% or better guarantees at least a D. These thresholds might be lowered at the end of the semester. No individual exams will be curved.

Any issues regarding grading for tests or quizzes must be addressed within two weeks of the date it was administered. After that time no score changes will be allowed.

Classroom etiquette: Communication devices must remain switched off and put away during the class periods and final. Laptops or iPads are allowed only for textbook reading or taking notes.

Attendance: Although attendance will not be taken, I expect you to make every effort to attend daily, arrive on time and stay for the duration of class. Office hours are for those of you who need help beyond that given in the class; they are not substitutes for class.

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. Cheating can result in a failing grade on the assignment, exam, and/or class. <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 to set up a meeting within the first two weeks of the semester. Before meeting with the instructor, 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: There will be one homework problem set due Sunday night preceding dead week and Sunday night after dead week.

Topics to be covered: Math 151 will cover the majority of chapters R-8. (See tentative schedule below.)

Tentative Schedule:

Week (week of)	Monday	Recitation (Tu/W/Th)	Friday
1 (Aug 20)	Chap. R	Quiz 0* (Chap. R)	Chap. 1
2 (Aug 27)	2.1-2.3	Quiz 1 (Chap. R & 1)	2.4
3 (Sep 3)	Labor Day	Quiz 2 (2.1-2.3)	2.5
4 (Sep 10)	2.6	Quiz 3 (2.4-2.6)	3.1
5 (Sep 17)	3.2	Review for Exam 1	3.3
6 (Sep 24)	3.4	Quiz 4 (3.1-3.3)	4.1
7 (Oct 1)	4.2	Quiz 5 (3.4,4.1)	4.3
8 (Oct 8)	4.4	Quiz 6 (4.2-4.4)	4.5
9 (Oct 15)	5.1	Review for Exam 2	5.2
10 (Oct 22)	5.3	Quiz 7 (4.5-5.2)	6.1
11 (Oct 29)	6.2	Quiz 8 (5.3,6.1-6.2)	6.4
12 (Nov 5)	6.5	Review for Exam 3	7.1
13 (Nov 12)	7.2	Quiz 9 (6.4-7.1)	7.3
14 (Nov 19)	Thanksgiving	Week	Vacation
15 (Nov 26)	7.4	Quiz 10 (7.2-7.4)	7.5
16 (Dec 3)	8.1	Review for Final Exam	Review
17 (Dec 10)	Finals	Week	Exam Time TBD