

Math 152: Calculus II (Item #6468)

M – F: 8-8:50am

17-102

Spring 2019 Syllabus

Instructor Information

- i. Instructor: Dusty Wilson
- ii. Office: 29-341
- iii. Phone: 206-592-3338
- iv. Office Hours:
 - Monday: 7:30-50 and 9-9:50 am
 - Tuesday: 9-9:50 am
 - Wednesday: 7:30-50 and 9-9:50 am
 - Thursday: 7:30-50 and 9-9:50 am (MRC: 25-6)
 - Friday: 7:30-50 am
- v. home page: <http://people.highline.edu/dwilson>
- vi. e-mail: dwilson@highline.edu
- vii. facebook: [facebook.com/dustywwilson](https://www.facebook.com/dustywwilson)

Course Description

Integral Calculus. Topics include indefinite and definite integrals, the Fundamental Theorem of Calculus, applications, techniques of integration, and an introduction to differential equations.

Student Learning Outcomes

- i. Apply the definition of the Riemann integral to construct definite integrals and find areas.
- ii. Evaluate indefinite, definite, and improper integrals using the Fundamental Theorem of Calculus.
- iii. Set up and solve applications, including areas, volumes, surface area, arc length, work, and centroids using the techniques of integration.
- iv. Classify and evaluate integrals using techniques of integration (substitution, integration by parts, partial fractions, etc.).
- v. Approximate definite integrals using Midpoint, Trapezoidal, and Simpson's Rules.
- vi. Solve separable differential equations.

Text

Calculus: Early Transcendentals (8th ed.), by James Stewart. Bring the book to class!

Prerequisite

Math 151 with a minimum grade of 2.0.

Calculators

A graphing calculator is required for this course.

- i. The TI-84 calculator is recommended. The use of symbolic calculators will not be allowed during exams. Furthermore, the use of all calculators may be prohibited during some exams/quizzes (forewarning will be given).
- ii. Very limited class time will be spent explaining the use of calculators.
- iii. Calculators may be rented from the Math Department on a first come first serve basis.

Homework

The format and grading criteria for homework is as follows.

- i. Enhanced Web Assign: Graded homework will be administered online thru EWA. The website is: <https://www.webassign.net/wa-auth/login>
- ii. EWA Class Key: highline.cc.wa 2776 7108 (You can try it out for two weeks).
- iii. Submissions: You may make up to five submissions on most problems.
- iv. Deadlines: Assignments are generally due two class days following the completion of lecture on the topic at 11:55 pm (unless otherwise noted in Web Assign).
- v. Bonus: If you complete homework exercises 24 hours in advance of the deadline, you will earn a 3% bonus on the problem.
- vi. Extensions: You may request a 24 hour extension on the homework for the week after the original due date. Two extensions per assignment are allowed. There is a 20% penalty on each problem completed using the extension. There is no limit on the number of assignments for which you may request an extension.

Review Assignments

- i. Quiz and Test review assignments in Web Assign are due the day of quizzes and exams.
- ii. These contain two questions from each section on (originally) covered on the quiz/test.
- iii. The order is randomized to help you prepare for quizzes/tests by learning to identify question types.
- iv. Only three submissions are allowed per question and helps are not available.
- v. Assignments are generally due at **8 am** the day of quizzes/tests (unless otherwise noted in Web Assign).

Quizzes

See the schedule for the tentative dates and times.

- i. There are no make-up quizzes.
- ii. It is very important that you are on time for group quizzes. If you are more than five minutes late, there will be a penalty. 5 min. => 5% penalty. 6 min. => 6% penalty ...
- iii. If you miss a quiz, 75% of your next quiz will be used in its place (you must remind me).
- iv. If you miss a second quiz, a score of 0% will be assigned.
- v. Spoken and written communication as well as sharing of calculators during exams is prohibited.

Tests

There will be midterm exams given during the quarter.

- i. The exams will be cumulative, but will emphasize the material covered since the last test.
- ii. If you miss a test, a score of 0% will be assigned. All tests must be taken during the scheduled class time. *No make-up tests.*
- iii. Spoken and written communication as well as sharing of calculators during exams is prohibited.

Final Exam

A comprehensive final exam will be held in the regular class meeting room. See the quarterly class schedule for dates and times. The final exam is mandatory and a grade of 0.0 may be assigned at the instructor's discretion to those who fail to take the final exam.

Grading

Homework: 10%, Reviews: 5%, Quizzes: 10%, Exams: 45%, Final: 30%.

		%%	GPA	%%%	GPA	%%	GPA	%%	GPA
95-100%	4.0								
93-4%	3.9	81%	3.1	73%	2.3	65%	1.5	57%	0.7
91-2%	3.8	80%	3.0	72%	2.2	64%	1.4	0-56%	0.0
89-90%	3.7	79%	2.9	71%	2.1	63%	1.3		
87-8%	3.6	78%	2.8	70%	2.0	62%	1.2		
85-6%	3.5	77%	2.7	69%	1.9	61%	1.1		
84%	3.4	76%	2.6	68%	1.8	60%	1.0		
83%	3.3	75%	2.5	67%	1.7	59%	0.9		
82%	3.2	74%	2.4	66%	1.6	58%	0.8		

Policies and Notes

- i. **Attendance:** You are responsible for all material covered in class including all announced changes to the schedule and assigned course work. (If you miss class, *you* are still responsible for everything in class).
- ii. **Devices:** The use of non-human smart gadgets in class is discouraged (except when requested). Smart non-human devices are banned during tests.
- iii. **Math Resource Center:** Cost-free mathematics tutoring is available at the MRC. The MRC is located on the sixth floor of the library (25-6).
- iv. **Faculty Advising:** Highline College instructors are a wonderful resource for students at any stage of the academic process. Many Highline instructors have career experience, are knowledgeable about campus resources, and can assist students in reaching their educational goals through degree planning. If you have an advising question, feel free to approach your instructor. If your instructor cannot answer your question, s/he will help you find someone who can.
- v. **Honors:** Highline College offers opportunities for students to participate in an Honors Program tailored to their pathways. Students who fulfill all Honors Program requirements may become eligible for a scholarship during their final quarter and receive recognition at Highline's commencement ceremony.
If you are interested in the Honors Program, I invite you to pursue an honors project in this class. Please approach me within the first three weeks of the quarter, and we will work together to develop a plan for completing an advanced academic or professional project. After completing the project and earning a 3.5 GPA in this course, an "honors" notation will appear on your official Highline transcript.
- vi. **Academic Dishonesty:** Cheating, plagiarism, and other forms of academic dishonesty are unacceptable at Highline College and may result in lower grades and/or disciplinary action. It is both your right and responsibility to be familiar with the document entitled: Student Rights and Responsibilities code WAC 132I-1210 adopted by the Board of Trustees of Community College District 9 on December 13, 2007. This is available in the counseling center.
- vii. **Special Concerns:** If you have any special concerns about this class, please talk to me personally in my office. The more I know about you individually, the more I can help you be successful in this course. If you need course adaptations or accommodations because of dis-Ability; if you have emergency medical information to share with me; or if you need special arrangements in case the building must be evacuated, please provide me with the Letter of Accommodation you have received from the Office of Access Services. Access Services is located in Building 99 in the Student Development Center.
- viii. **Emergency Procedures:** In the event of an emergency, follow your instructor's directions. If you are told to evacuate the building, take your valuables because you may not

be allowed to re-enter. Do not leave campus until your instructor or another campus official tells you to do so. If you may need assistance evacuating, notify your instructor today. To prepare yourself for an emergency, review the evacuation map on the last page of the emergency placard in your classroom and subscribe to HC Alert at <https://hctextalerts.highline.edu/>).

ix. **Final Exams:** Your completed final exam will not be returned to you. It belongs to the instructor. However, you may (and should) review your final exam by stopping by the instructor's office the next quarter.

x. **School Policies:**

- The Student Rights and Responsibilities Code: A legal document that describes college expectations, students' rights, and outlines the process for resolving disciplinary matters and Code violations. <http://studentservices.highline.edu/srr.php>
- The College Catalog: Lots of fine print about grades, deadlines, and resources can be found in the catalog at: <http://catalog.highline.edu/>

xi. **Important Dates (dates should be verified online):**

- April 5th: Last Day for 100% Tuition Refund
- April 19th: The last day to drop without incurring a "W"
- April 9th: Financial Aid Applications for Summer Quarter are due
 - See <https://financialaid.highline.edu/> for more information about Financial Aid
- May 7th: The beginning of registration for Summer and Fall Quarters
- May 24th: The last day to officially withdraw with a "W"
- May 28th: Financial Aid Applications for Fall Quarter are due
 - See <https://financialaid.highline.edu/> for more information about Financial Aid