



MATH-1B SPRING 2020
MAT-1B-33682 CALCULUS II
MW 3:00-5:30 PM ERHS C112
WEB SITE: www.bobprior.com

INSTRUCTOR:

Prof. Bob Prior
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Phone: (951) 372-7035

Norco College Office Hours:

MW 10:00 – 1:00 PM
TTH 10:00 AM – 12:30 PM
Office: ATEC 217/212

PREREQUISITE: MAT-1A: Calculus I or passing the AP Calculus AB or BC Exam with a 3 or better

COURSE DESCRIPTION:

Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

STUDENT LEARNING OUTCOMES:

- Employ the basic concepts of convergence and divergence of infinite sequences and series.
- Derive Taylor Series and approximate polynomials of analytic functions.
- Graph, differentiate, and integrate functions in polar and parametric form.
- Evaluate definite, indefinite, and improper integrals using techniques of integration.
- Solve applications of integration problems, including those involving area, volume, work, arc length and force.

IMPORTANT DATES:

Last day to add the course
Last day to drop without a "W"
Cesar Chavez Day

Friday, February 29
Sunday, March 8
Tuesday, March 31

ERHS Spring Break

March 30-April 3 *We still met this week!*

Norco College Spring Break

April 13-17

Last day to drop with a "W"
ERHS Senior Final Exams
Memorial Day
Final Exam

Friday, May 15
Thursday, May 21 – Friday, May 22
Monday, May 25
Wednesday, June 11, 3:00 - 5:30 PM

THE TEXT BOOK:

Calculus, Early Transcendentals, 8th Ed. By James Stewart

QUIZZES AND TESTS:

There will be some quizzes throughout the semester, usually worth 5 - 10 points each.

There will be three or four chapter tests and a final exam. Each test covers one or two chapters and will vary in point value. The final exam is comprehensive; it covers material from the whole course; it is worth 1 million points.

GRADING:

All points are equal.

A points on a quiz or homework is equivalent to a point on a test. One's average is calculated by the total points earned divided by total points possible.

Students are encouraged to keep track of their ongoing course percentage.

The following grading scale is used to assign grades.

90.0% - 100%	A
80.0% - 89.9%	B
70.0% - 79.9%	C
55.0% - 69.9%	D
00.0% - 54.9%	F

Approximate percentage of graded assignments

Homework	≈ 5%
Lab	≈ 5%
Quizzes	≈ 10%
Tests	≈ 60%
Final Exam	≈ 20%

CALCULATORS:

A scientific calculator or graphing calculator will be required for some parts of the course. Students will be notified when a calculator is needed.

HOMEWORK:

Homework in a math class is more than just doing practice exercises. It also includes reading the material in the book, handouts, or other resources, including on-line resources such as watching videos. It is expected that a college math student will spend twice as much time outside of class as inside on learning the material. For a class that meets 5 hours per week, that means 10 hours of outside homework per week.

Homework exercises will be assigned on a regular basis, nearly every day. Daily homework assignments will be posted on-line in our Canvas course. It is expected that each homework assignment will be completed before the next class session. At the beginning of each class session, some time will be spent reviewing a few questions. All other homework questions can be discussed at the break or after class.

A single day's homework might be collected at random; *no late homework will be accepted, not even for a reduced grade.*

Note 1: If I collect a homework assignment, I will not grade it for accuracy of answers. Instead I look for (1) completeness, (2) neatness, and (3) thoroughness. To receive the most credit, you must show complete work on each exercise. Homework may be given a lower score if it is not neat, work is not shown, or it is out of page order.

Note 2: Students are encouraged to work together on assignments (not tests or quizzes), but it is expected that each student will complete the full assignment individually.

WEEKLY LAB:

Our class has as a one-hour mandatory lab each Wednesday. It might be the first hour of class or it might be the last hour. Each lab assignment is to be turned in at the end of class and is graded similar to homework. No late labs are accepted unless otherwise indicated.

CLASSROOM RULES:

Be respectful of and courteous to classmates. This means being supportive of someone asking a question to which you know the answer. Also, keep conversation to a whisper and "on task."

Be respectful of and courteous to the professor. This includes not playing with your cell phone (texting, games, music, etc.) or other electronic devices. If you have an earplug in your ear, you will be asked to remove it. This rule also applies to laptop computers, tablet computers, etc. Splitting your attention between an electronic device and the class work is rude and unproductive

Be respectful to yourself. Come to class prepared: (1) be on time, (2) have all materials at hand, including completed homework, and (3) strive to always do your best, asking questions when needed.

ATTENDANCE:

Attendance is required. The instructor reserves the right to drop any student who misses four or more total class sessions or 3 consecutive class sessions. However, don't depend on me to drop you. If you plan to drop the course, you should do so on your own through WebAdvisor or by filling out a drop card. Be aware of the two drop deadlines, shown in the calendar. If you do miss three classes and intend to remain enrolled, then write to me to let me know why you are absent.

Please be on time! If possible, be early! Any student not returning to class after the 10-minute break may be counted absent for 1/2 day.

DROPPING THIS CLASS

You may withdraw from this course by using WebAdvisor prior to the drop deadline. The deadline is available on WebAdvisor by selecting "My Class Schedule/Deadlines" after logging in. It is the student's responsibility to drop this class should he/she decide no longer to attend.

ACADEMIC INTEGRITY:

Norco College is committed to maintaining academic integrity throughout the college community. Academic dishonesty is a serious offense that can diminish the quality of scholarship, the academic environment, the academic reputation and the quality of a Norco College degree. The [Student Handbook](#) states:

In cases of academic dishonesty by a student, a faculty member may

- 1) Reduce the score on test(s) or assignment(s);
- 2) Reduce the grade in the course;
- 3) Fail the student in the course if the weight of the test(s) or assignment(s) warrants course failure;
- 4) Recommend suspension from the course (see further details in **the [Student Handbook](#)**).

Academic dishonesty includes but is not limited to:

- a) **Plagiarism** – the intentional presentation of words, ideas or work of others as one’s own. This includes but is not limited to: copying homework, using a work or portion of a work written or created by another but not crediting the source and using one’s own work completed in a previous class for credit in another class without permission.
- b) **Cheating During Examinations** – includes, but is not limited to, unauthorized electronic assistance or devices, copying from another, looking at another student’s exam and opening books or notes when not authorized. Any of these practices could result in charges of academic dishonesty.

DECLARING A PROGRAM OF STUDY

Declaring your Program of Study in WebAdvisor is important. Norco College contacts students that have declared a certificate/degree for internships and job opportunities in that specified field. Also, by declaring your certificate/degree goal, you can use the “Academic Review” tool in WebAdvisor which will calculate exactly what classes you still need to take to finish your certificate/degree and graduate. If you have questions about a field of study, please schedule an appointment with a counselor to discuss this important issue.

Daily Schedule
Refer to our Canvas class
(subject to change)