



MATH V46 • COURSE INFORMATION

The Course. 4 units (4 hrs lecture weekly). This is a course in calculus; it assumes a thorough background in algebra. It covers differential calculus, integral calculus, and applications. By the end of the course, the successful student will be able to evaluate limits of functions of one variable; evaluate derivatives and integrals of functions of one variable; analyze the behavior of functions and use the analyses to graph them; and solve application problems involving derivatives and integrals. The course includes instruction in proper notation, word problems, calculator use, and emphasizes the importance of acquiring good study skills.

Class Meetings. Lecture: Monday and Wednesday 3:00–4:50 p.m. in room SCI-352

Please turn off (or set to "vibrate" mode) all mobile phones and pagers, so as not to interrupt the class.

Homework Club. Please visit during any scheduled homework club hours (note locations below), or make an appointment.

- Tutorial Center (first floor of LRC across the hall from the BEACH); Monday and Wednesday, 2:00–3:00 p.m.; Tuesday 11:30 a.m.–12:30 p.m.

These times may change, especially early in the term. Schedule updates are posted on the Web at <http://academic.venturacollege.edu/mbowen/courses/2019haru/classked.pdf>. Contact the instructor, Michael Bowen, by telephone (805-289-6256) or by e-mail at mbowen@vcccd.edu.

Prerequisites. Math V04 or Math V20 or equivalent. Students should know how to solve rational and transcendental equations, and formulate equations to solve application problems; simplify rational and transcendental expressions; construct graphs of simple rational and transcendental functions and their inverses, if they exist, and of conic sections, polynomial functions, and exponential and logarithmic functions; identify the nature and number of zeros of polynomial functions; solve systems of equations and inequalities, and construct systems to solve application problems; solve and/or simplify problems using matrices and matrix equations; and solve application problems. Good reading and writing skills are helpful; homework, quizzes, and the final examination may include word problems and/or essay questions.

Course Materials.

- This text is required: R. Barnett, *Calculus for Business, Economics, Life Sciences, and Social Sciences*, Thirteenth Edition (ISBN 978-0321869838 or 978-1323051573 or 978-1323051634). Math V46 lectures largely follow the material in chapters 1 through 6 of this text, which we shall cover in whole or in part as indicated in the homework assignments.
- Students should purchase or borrow a good calculator. The calculator must be capable of evaluating powers, roots, exponentials, and logarithms. If you already have a calculator but are not sure whether it has the necessary capabilities, please bring it and ask the instructor. *The Department of Mathematics recommends that students in this course acquire a graphing calculator, such as the TI-82, TI-83, or TI-84; mobile-phone calculators are not permitted during exams.*
- The Web start page for this course is <http://academic.venturacollege.edu/mbowen/courses/2019haru/m46.shtml>.
- Student Learning Outcomes (SLOs) and Core Competencies for this course are available on the VC math department's web site. The URL for SLOs is <http://www.venturacollege.edu/sites/default/files/files/college-information/student-learning-outcomes/course-student-learning-outcomes/math.pdf>. The URL for competencies is http://www.venturacollege.edu/assets/pdf/core_competencies/corecomps_math.pdf.

Grading and Drop Policies. Please see the accompanying **COURSE REQUIREMENTS AND GRADING** document, which is expressly incorporated and made a part of this **COURSE INFORMATION** document by reference. It is the student's responsibility to remember drop deadlines and regulations. The various drop deadlines for this semester are listed under **IMPORTANT DATES** below.

IMPORTANT DATES

Student holidays	...	21 January; 15–18 February; 25–29 March; and 25–26 April 2019
Last day to add a class	...	Friday 18 January 2019
Last day for full refunds	...	Friday 18 January 2019
Drop deadline (no "W")	...	Friday 25 January 2019
Credit/No Credit request deadline	...	Friday 8 February 2019
Drop deadline (no "F")	...	Friday 19 April 2019
Final Examination	...	Room SCI-352, 2:45–4:45 p.m., Monday 13 May 2019

All **COURSE INFORMATION** is subject to change without notice. Please refer questions directly to your instructor.