



## MATH V21A • COURSE INFORMATION

**The Course.** 5 units (12 hrs lecture weekly). This is a first course in calculus; it assumes a thorough background in algebra and trigonometry. It covers limits, differentiation of functions, integration of functions, techniques of integration, and applications. By the end of the course, the successful student will be able to evaluate limits of functions of one variable; evaluate derivatives of functions of one variable; analyze the behavior of functions and use the analyses to graph them; solve application problems involving derivatives; and evaluate elementary 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 through Thursday 10:30 a.m.–1:20 p.m. in room SCI-222. Please turn off (or set to "vibrate" mode) all cell 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.

- SCI-222; Before class

These times may change, especially early in the term. Schedule updates are posted on the Web at <http://academic.venturacollege.edu/mbowen/courses/2009natsu/classked.pdf>. Contact the instructor, Michael Bowen, by telephone (654-6400, ext. 1336) or by e-mail at [mbowen@vccd.edu](mailto:mbowen@vccd.edu).

**Prerequisites.** Math V20 or equivalent. Students should know how to graph functions and conic sections efficiently, perform operations on polynomials (particularly factoring), simplify rational expressions, and solve trigonometric identities. Good reading and writing skills are helpful; homework, quizzes, and the final examination may include word problems and/or essay questions.

### Course Materials.

- The text is required: J. Stewart, *Calculus: Early Transcendentals*, Sixth Edition (ISBN 0495011665). Math V21A lectures largely follow the material in chapters 1 through 5, of this text, which we shall cover in numerical order.
- Students should purchase or borrow a good calculator. The calculator must be capable of evaluating powers, roots, exponentials, logarithms, and trig functions. 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.*
- The Web start page for this course is <http://academic.venturacollege.edu/mbowen/courses/2009natsu/m21a.shtml>.
- Student Learning Outcomes (SLOs) for this course are available on the VC math department's web site, at <http://academic.venturacollege.edu/mbowen/mathdept/MathSLO.shtml>.
- Core Competencies for this course are available on the VC web site (in PDF format only), at [http://www.venturacollege.edu/assets/pdf/core\\_competencies/corecomps\\_math.pdf](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 ...	None in Summer 2009
Last day to add a class ...	Monday 29 June 2009
Last day for full refunds ...	Wednesday 24 June 2009
Last day for partial refunds (nonresident tuition only) ...	Wednesday 24 June 2009
<b>Drop deadline (no "W") ...</b>	<b>Thursday 2 July 2009</b>
Credit/No Credit request deadline ...	Thursday 2 July 2009
<b>Drop deadline (no "F") ...</b>	<b>Thursday 23 July 2009</b>
<b>Final Examination ...</b>	<b>Room SCI-222, 10:30 a.m.–12:30 p.m., Wednesday 5 August 2009</b>

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