



## MATH V20 • COURSE INFORMATION

**The Course.** 5 units (5 hrs lecture weekly). This is a course in precalculus; it assumes a basic background in algebra and trigonometry. It covers graphs; zeros; polynomial, rational, exponential, logarithmic, and trigonometric functions; trigonometric applications and polar coordinates, conics, matrices, and mathematical induction. By the end of the course, the successful student will be able to solve systems of equations; graph select polynomial, rational, logarithmic, exponential, and trigonometric functions; solve trigonometric equations; analyze select conic sections; evaluate finite series; and perform matrix operations. 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 7:00–9:20 p.m. in room SCI-352.

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.

- Tutorial Center (first floor of LRC across the hall from the BEACH); Monday and Wednesday 4:00–5:30 p.m.
- Math Center (Room SCI-223); Tuesday and Thursday 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/2008haru/classked.pdf>. Contact the instructor, Michael Bowen, by telephone (654-6400, ext. 1336) or by e-mail at [mbowen@vcccd.edu](mailto:mbowen@vcccd.edu).

**Prerequisites.** Math V05 or equivalent. Students should know how to solve trigonometric problems and equations, graph trigonometric functions, work with trigonometric identities, and convert complex numbers to rectangular and polar form. 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: M. Sullivan, *Precalculus*, Eighth Edition (ISBN 0536453993 or 0132256886). Math V20 lectures largely follow the material in chapters 1 through 12 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, 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/2008haru/m20.shtml>.

**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, and 14–23 March 2008
Last day to add a class	...	Friday 18 January (or Sunday 20 January via Webstar) 2008
Last day for full refunds	...	Friday 18 January (or Sunday 20 January via Webstar) 2008
Last day for partial refunds (nonresident tuition only)	...	Friday 1 February 2008
<b>Drop deadline (no "W")</b>	...	<b>Friday 1 February 2008</b>
Credit/No Credit request deadline	...	Friday 8 February 2008
<b>Drop deadline (no "F")</b>	...	<b>Friday 18 April 2008</b>
<b>Final Examination</b>	...	<b>Room SCI-352, 7:30–9:30 p.m., Monday 12 May 2008</b>

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