



## MATH V04 • COURSE INFORMATION

**The Course.** 3 units (3 hrs lecture weekly). This is a third-semester algebra course in which the intent is to teach university-level concepts that will be useful in more advanced courses; it assumes previous exposure to algebraic concepts and techniques. It covers linear and quadratic equations and inequalities; functions, including graphing, compositions, and inverses; an examination of common function classes, including polynomial, rational, exponential, and logarithmic functions; conic sections; theory of equations (with emphasis on finding zeros of polynomial functions); the binomial theorem, and mathematical induction. By the end of the course, the successful student will be able to apply transformations to graph functions; analyze functions and their graphs; and analyze polynomial functions and equations. The course includes instruction in proper notation, word problems, calculator use, and emphasizes the importance of acquiring good study skills.

**Class Meetings.** Lecture: Tuesday/Thursday 12:30–1:50 p.m. in room SCI-229.

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); Tuesday 2:00–3:00 p.m., Wednesday 1:00–2:30 p.m., and Friday 9:30–10:30 a.m.
- Math Center (Room SCI-223); Monday 7:00–8:30 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/2009haru/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 V03 or equivalent. Students should know how to solve linear equations and systems, graph quadratic functions and conic sections, solve quadratic equations, work with radicals, logarithms, exponential functions, and complex numbers, and work with function ideas such as domain, range, compositions, and inverses. 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: R. Blitzer, *College Algebra*, Fourth Edition (ISBN 0536268193 or 0132191415). Math V04 lectures largely follow the material in chapters 1.2 through 1.7, 2.1 through 2.8, 3.1 through 3.4, 3.6, 4.1 through 4.5, 5.4, 6.5, 7.1 through 7.3, and 8.1 through 8.3 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.*
- The Web start page for this course is <http://academic.venturacollege.edu/mbowen/courses/2009haru/m04.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 ...	19 January, 13–16 February, and 3–10 April 2009
Last day to add a class ...	Friday 23 January (or Sunday 25 January via Webstar) 2009
Last day for full refunds ...	Friday 23 January (or Sunday 25 January via Webstar) 2009
Last day for partial refunds (nonresident tuition only) ...	Friday 6 February 2009
<b>Drop deadline (no "W") ...</b>	<b>Friday 6 February 2009</b>
Credit/No Credit request deadline ...	Tuesday 17 February 2009
<b>Drop deadline (no "F") ...</b>	<b>Friday 24 April 2009</b>
<b>Final Examination ...</b>	<b>Room SCI-229, 12:30–2:30 p.m., Thursday 14 May 2009</b>

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