# MATH V03 • COURSE INFORMATION

**The Course**. 5 units (5 hrs lecture weekly). This is a second course in algebra; it assumes a background in the basics of algebra. It reviews solving and graphing equations, and then introduces functions, systems of equations and inequalities, radicals and rational exponents, complex numbers, quadratic functions (graphing and solving for zeros), exponential and logarithmic functions, and (if time permits) conic sections. By the end of the course, the successful student will be able to solve moderately complex systems of equations and inequalities; simplify and perform operations on expressions (and solve equations) containing radicals and/or rational exponents, exponentials, and logarithms; solve any quadratic equation or inequality; graph linear, quadratic, exponential, and logarithmic functions and conic sections; and solve applied word problems. 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 Friday 11:30 a.m.–12:20 p.m. in room SCI-351.
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.

**Prerequisites**. Math V01 or equivalent. Students should know how to solve and graph linear equations (including systems) and inequalities, perform operations on polynomials (particularly factoring), and simplify rational expressions. 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: E. Martin-Gay, *Intermediate Algebra*, Fifth Edition (ISBN 0-13-600729-5). Math V03 lectures largely follow the material in chapters 2.1; 2.4 through 2.7; 3.2; 3.3; 4.1 through 4.5; 5.4 through 5.8; 6.1, 6.2, 6.5; 7.1 through 7.7; 8.1 through 8.6; 9.1 through 9.7; and 10.1 through 10.2 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, 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 planning to continue beyond Math V03 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/m03.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.

**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**

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| 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 |
| **Drop deadline (no "W")** | … | **Friday 6 February 2009** |
| Credit/No Credit request deadline | … | Tuesday 17 February 2009 |
| **Drop deadline (no "F")** | … | **Friday 24 April 2009** |
| **Final Examination** | … | **Room SCI-351, 10:00 a.m.–12:00 noon, Friday 15 May 2009** |

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