



MATH V01 • COURSE INFORMATION

The Course. 5 units (5 hrs lecture weekly). This is a first course in algebra; it assumes a basic background in arithmetic. It reviews fractions, signed numbers, and number properties, and then introduces solving equations and inequalities, exponents, polynomials (including factoring), rational expressions, graphing and functions, systems of linear equations, roots and radicals, and quadratic equations. By the end of the course, the successful student will be able to evaluate expressions and perform operations over the set of real numbers; perform basic operations on polynomials; graph linear equations and inequalities; factor polynomials; determine a linear equation from graphical data; solve ratio, proportion, and variation problems; solve systems of equations; 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: Tue./Thu. 8:30–10:20 a.m., and Wed. 9:30–10:20 a.m., in room SCI-230. 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@vccd.edu.

Prerequisites. Math V10 or equivalent. Students should know how to add, subtract, multiply, and divide rational numbers, solve basic application problems, identify constants, variables, like terms, and polynomials, evaluate algebraic expressions, solve simple linear equations and inequalities, and graph linear equations on a Cartesian coordinate system. 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. Lial, *Beginning Algebra*, Second Custom Edition (for VC) or Tenth Edition (ISBN 053645499X or 0321437268). Math V01 lectures largely follow the material in chapters 1 through 7, plus portions of 8 and 9 as time permits, 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 and roots. 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/m01.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

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-230, 7:30–9:30 a.m., Tuesday 19 May 2009

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