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 real numbers; polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs; equations, systems (including matrix methods), and inequalities; zeros; trigonometry with applications (including polar coordinates), conics, and sequences and series (including mathematical induction). By the end of the course, the successful student will be able to graph polynomial, rational, logarithmic, exponential, and trigonometric functions (including polar equations); solve equations (including systems), inequalities, and application problems; solve triangles and trigonometric equations, graph conic sections; construct inductive proofs; and represent a vector in terms of its components. 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 1:00–3:15 p.m. in room SCI-107

Please turn off (or set to "vibrate" mode) all mobile 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, Tuesday, and Wednesday, 5:30–6:30 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/2018haru/classked.pdf. Contact the instructor, Michael Bowen, by telephone (805-289-6256) or by e-mail at 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.

- This text is required: R. Narasimhan, *Precalculus: Building Concepts and Connections, with All Access Pass*, Second Edition (ISBN 978-1630981327). Math V20 lectures largely follow the material in chapters 1 through 10 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; mobile-phone calculators are not permitted during exams.*
- The Web start page for this course is http://academic.venturacollege.edu/mbowen/courses/2018haru/m20.shtml.
- Student Learning Outcomes (SLOs) and Core Competencies for this course are available on the VC math department's web site. The URL for SLOs is http://www.venturacollege.edu/sites/default/files/files/college-information/student-learning-outcomes/course-student-leaning-outcomes/math.pdf. The URL for competencies is 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	…	15 January; 16–19 February; 26–30 March; and 26–27 April 2018
Last day to add a class	…	Friday 19 January 2018
Last day for full refunds	…	Friday 19 January 2018
Drop deadline (no "W")	…	**Friday 26 January 2018**
Credit/No Credit request deadline	…	Friday 9 February 2018
Drop deadline (no "F")	…	**Friday 20 April 2018**
Final Examination	…	**Room SCI-107, 12:30–2:30 p.m., Monday 14 May 2018**

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