

MATH 55 (Sections 1-2)
Fall 2004
Dr. D. Zitarelli

COLLEGE MATHEMATICS

606 Wachman Hall
david.zitarelli@temple.edu
Phone: 215-204-7844
Fax: 215-204-6433

CLASS: MWF 8:40 – 9:30 in 400 Barton Hall.

TEXT: J. O. Bennett and W. L. Briggs, *Using and Understanding Math*, Addison-Wesley, 3rd Edition, 2005 OR 2nd Custom Edition for Math C055 and C065. The custom edition is paperback and includes multiple-choice supplementary practice problems in the back of the book. Students who buy the hardback edition must purchase the supplementary problems.

CONTENT: Math 55 is a QA Core course designed to improve the level of quantitative awareness of students using familiar situations that provide a sense of purpose for studying mathematics. The objective is to help students gain a mathematical perspective and deal as comfortably and critically as possible with an environment that increasingly makes use of quantitative reasoning. The topics include finance (Chapter 4), functions and models (Chapter 9), exponential growth and decay (Chapter 8), counting techniques, probability, and statistics (Chapter 7).

PREREQUISITE: Satisfactory score on the mathematics placement exam, or completion of Math 45.

HOMEWORK: Each class generates an assignment. Homework assignments will be collected and graded. Late submissions are unacceptable.

QUIZZES: Ten-minute quizzes will be given once a week..

TESTS: There will be three one-hour tests and a final exam. Test 2 is a departmental mid-term exam; it will be given on Friday, October 15. The Final Exam is a cumulative, departmental, two-hour test; it will be given on Tuesday, December 14, 2 p.m.–4 p.m. **Note:** this date and time are different from the one scheduled for other classes that meet at this time.

The mid-term exam consists of 20 multiple-choice questions. The final exam consists of 40 multiple-choice questions and covers the entire syllabus. The questions on both the mid-term and the final exam will be similar to the multiple-choice supplementary problems accompanying the textbook. In both exams, all relevant formulas will be supplied and students will be required to show their work for possible partial credit.

GRADING: Three tests	20% each
Homework and quizzes	20%
Final Exam	40%

The final score is obtained by dropping one test grade or the homework/quizzes grade, OR by counting the final exam as 20%, whichever is greater. Grade cutoffs are 90% (for an A), 80% (B), 70% (C), and 60% (D). A plus sign is added for averages within two points of the higher grade and a minus sign for averages within two points of the lower grade. Therefore 81.5 is B-, 87.5 is B, and 89.5 is B+.

The grade of W can be assigned up to Monday, November 1; after that the grades of A to F will be given. The College of Science & Technology allows the grade of I only for a student who could not take the final exam due to medical reasons, has an official note to verify that fact, and has completed all other material. Students who miss the final exam and do not make alternative arrangements with the instructor before grades are submitted will receive the grade of F.

A grade of C- or better is required to pass Math 55.

(Over)

CALCULATORS: A business or scientific calculator, capable of computing exponentials and logarithms, is required.

GROUPS: You are encouraged to form study groups for doing homework as well as for preparing for tests and the final exam. However, students are responsible for their own submissions. Shared work is encouraged – mindless copying is unacceptable.

CLASS CONDUCT: Due to the large class size, and out of respect for all students, no conversing can take place when the instructor is speaking. Neither food nor drink is permitted in the classroom. Please turn all cell phones and pagers to vibrate mode. Please do **not** wear clothing displaying the name of another university; if you advertise any university, wear Temple attire.

OFFICE HOURS: Mondays 2:40-3:30 p.m., Wednesdays 3:40-4:30 p.m., Fridays 9:40-11:30 a.m.