

Cedar Crest College
College Mathematics - MAT 102 00 2
Fall 2008
MWF 11:00 am-11:50 am BHA 6

Professor: Dr. Michael Sarver
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Office Hours

Monday, Wednesday, Friday 9:00 a.m. - 9:50 a.m.
Tuesday 3:30-4:20pm
Additional office hours are available by appointment.

Required Text:

Bluman, Mathematics in Our World, McGraw-Hill, 2005.

Calculator:

A scientific calculator is required for this course. The Texas Instruments TI-30Xa is a good affordable choice, retailing in the \$10 to \$15 range. However, any calculator that is designated as a "scientific calculator" will be sufficient.

Course Description:

A nontechnical presentation of mathematical topics essential to the student of the arts, humanities, or social sciences. The following are studied: elementary set theory, logic, number systems, probability and statistics and measurement and applications of mathematics to various disciplines. A scientific calculator is required. This course is appropriate for secondary education students (not math majors); some content is based on the Pre-Professional Skills Test in Mathematics (PRAXIS).

Course Outcomes:

- Understanding of a variety of mathematical concepts applicable to practical situations.
- Recognize situations where certain mathematical techniques would be applied.
- Be able to apply mathematical techniques to real world problems.

Assessment:

There will be three exams each accounting for 25% of your final average and the remaining 25% coming from short quizzes.

The grade scale that I will use to assign final grades is A (93 and up), A- (90-93), B+ (87-90), B (83-87), B- (80-83), C+ (77-80), C (73-77), C- (70-73), D+ (67-70), D (60-67), F(Below 60).

Attendance in class is expected of all students and mandatory on exam days, but it will not be factored numerically into your grade. Make-up exams will be given only with prior notification and documentation of a legitimate excuse.

Notes

- I fully support the Cedar Crest College Honor Code and the Classroom Protocol code as stated in the Customs Book. Appropriate classroom behavior is implicit in the Cedar Crest College Honor Code. Such behavior is defined and guided by complete protection for the rights of all students and faculty to a courteous, respectful classroom environment. That environment is free from distractions such as late arrivals, early departures, inappropriate conversations and any other behaviors that might disrupt instruction and/or compromise students' access to their Cedar Crest College education.
- Students should not make any travel arrangements for the end of the semester until after the final exam schedule is published.
- Cell phones should be turned off/on vibrate for the duration of the class period.
- Collaboration on daily homework is expected and encouraged, but any work turned in for a grade should be your own. Violations of the college plagiarism policy will be reported to the dean and result in a grade of zero for the particular assignment / exam.

- It is vitally important for you to keep current with the work. Students who fall behind early quickly find themselves in a hole that is very difficult, if not impossible, to get out of. I'm more than willing to meet with you during my office hours or otherwise to help you succeed, but you must make the effort. Feel free to drop by my office, even if it's not my scheduled office hour.
- The format of the course will be lecture/discussion with much emphasis on homework discussion. In order for this to work it is vitally important for you to come to class prepared.
- It will be beneficial for you to have read the day's material before coming to class.
- Students with documented disabilities who may need academic accommodations should discuss these needs with me during the first two weeks of class. Any student who wishes to request accommodations should contact the Advising Center.

Tentative Schedule

Date	Sections
Aug 25	Intro
Aug 27	2.1
Aug 29	2.2
Sep 01	Labor Day
Sep 03	2.3
Sep 05	2.4
Sep 08	2.5
Sep 10	3.1
Sep 12	3.2
Sep 15	3.3
Sep 17	3.4
Sep 19	3.5
Sep 22	Review
Sep 24	<i>Exam #1</i>
Sep 26	5.1
Sep 29	5.2
Oct 01	5.3
Oct 03	5.4
Oct 06	5.5
Oct 08	5.6
Oct 10	5.7
Oct 13	Fall Break
Oct 15	6.1
Oct 17	6.2
Oct 20	6.3
Oct 22	Review
Oct 24	<i>Exam #2</i>
Oct 27	7.1
Oct 29	7.2
Oct 31	7.3
Nov 03	7.4
Nov 05	7.5
Nov 07	7.6
Nov 10	8.1
Nov 12	8.2
Nov 14	8.3
Nov 17	8.5
Nov 19	10.1
Nov 21	10.2
Nov 24	10.3
Nov 26	Thanksgiving
Nov 28	Thanksgiving
Dec 01	10.4
Dec 03	10.5
Dec 05	10.6
Dec 08	Review
TBA	<i>Exam #3</i>