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**Office Hours:**  
2:00 M W Th F  
3:00 T  
**By Appointment:**  
5:00 M T W Th  
6:00 T Th

## **MA 104 College Algebra with scientific and technical applications**

### **Prerequisites:**

MA 100 or satisfactory score on the math placement exam.

### **Text:**

*College Algebra – a Graphing Approach* by Gareth Williams

### **Supplies:**

A laptop computer with the *TI-Interactive!* program. This program is supplied by the university for use with a university laptop. You may also find use for a graphing calculator, but it is not necessary. The primary use for a calculator would be to avoid some carrying of a laptop computer.

### **Related Courses:**

There are three algebra courses with MA 100 as prerequisite.

- MA 103 emphasizes financial applications
- MA 104 emphasizes scientific/technological applications
- MA 105 emphasizes the underlying mathematics.

Any of these courses is an acceptable prerequisite to MA 171 – Introductory Statistics.

MA 104 is prerequisite to MA 271 – Applied Calculus.

MA 105 is prerequisite to the sequence:

MA 115, MA 161, MA 163, MA 265 – Pre-calculus, Calculus I, Calculus II, Calculus III.

The MA 161...265 sequence is required of those majoring in Mathematics and Physics.

### **Course content and grading:**

This course will emphasize applications of linear, exponential, and trigonometric functions.

Grades for this course will be based on tests given in class and, possibly, a few written assignments. There will be four or five 'hour' exams given during the semester and a longer, comprehensive, final exam given during 'finals' week. The written assignments will count as not more than a single 'hour' exam.

Liberal studies requirement

*This course satisfies the Foundations of Natural Science – Mathematics requirement.*

Students who complete the mathematics courses should be able to demonstrate a basic understanding of mathematical logic; use mathematics to solve scientific or mathematical problems in college classes; express relationships in the symbolic language of mathematics; and appreciate the role of mathematics in analyzing natural phenomena.

### **Physical Disability Services:**

I will help you as I can, be sure to ask!

The Coordinator of Disability Services is in the Office of Student Support and Disability Services, room 2001 in the C. B. Hedgcock building. The phone number is 227-1700 TTY: 227-1543. Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.