

Syllabus for MATH 1101 Section 005

Introduction to Mathematical Modeling

Term: Summer 2010
 Time: TR 8:00 AM - 10:45 AM
 Room: GCB 227
 Credit Hours: 3

Instructor: Dr. Predrag Punoševac
 Office: 405 F 10 Park Place
 Phone: (404) 413-6460
 E-mail: ppunosevac@gsu.edu

Office Hour: TR 11:00 AM - 11:50 AM or by appointment.

Text: *Explorations in College Algebra*, 4th edition by Kime, Clark, and Michael, John Wiley & sons 2008.

Description: Mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze applied problems and questions, on the use of appropriate supporting technology, and on the effective communication of quantitative concepts and results.

Course Objectives: Please see the attachment.

Prerequisite(s): High School Algebra II or equivalent.

Course Outline: We will be covering Sections: 1.1-1.5, 2.1-2.8, 3.1, 3.2, 3.4, 4.1-4.7, 5.1-5.6, 6.1-6.5, and 8.1-8.4.

June					July				
Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
	1	2	3	4				1 3.4 4.1-4.3	2
7	8	9	10	11	5	6 4.4-4.7	7	8 5.1-5.4	9
14	15 1.1-1.5	16	17 2.1-2.4	18	12	13 5.5, 5.6	14	15 Exam 2 6.1, 6.2	16
21	22 2.5-2.7	23	24 2.7, 2.8 Exam 1	25	19	20 6.2-6.4	21	22 6.4, 6.5 8.1, 8.2	23
28	29 3.1, 3.2	30			26	27 8.2-8.4	28	29 Exam 3	30

Attendance: Students are expected to attend class daily and arrive in a timely fashion. Attendance will be taken. Up to 50 points towards your final grade will be awarded based on your attendance records.

Policy on Academic Honesty: All students are expected to abide by the Georgia State University policy on academic honesty section 409 which is published in the *Faculty Affairs Handbook* and the *On Campus: The Undergraduate Co-Curricular Affairs Handbook*.

This course syllabus provides a general plan for the course; deviations may be necessary. THIS COURSE IS NOT AN AP-PROPRIATE PREREQUISITE FOR PRECALCULUS OR CALCULUS. For Science majors (Biology, Chemistry, Physic, Computer Science), this course will not be counted for math credits.

Homework/Quizzes: will be submitted through a CMS called WileyPlus. Student accounts can be purchased <http://he-cda.wiley.com/WileyCDA/Section/id-103605.html> or through the GSU Bookstore. Deadlines and point values for each assignment will be posted in your class account when you login. A final homework/quizzes score based on 150 possible points will be assigned.

WileyPlus Class Section URL: <http://edugen.wiley.com/edugen/class/cls179718/>

Projects: There will be two 50 points spreadsheet projects. The due dates are July 1 and July 29.

In-Class Exams: There will be three 100 points in-class exams. The exams are scheduled for June 24, July 15, and July 29.

Make-Up Policy: There will be no makeups on homework/quizzes, projects, and in-class work. To allow for excused absences, I will drop your three lowest homework/quizzes scores. Makeups on an exam will be given at the discretion of the instructor. A legitimate and verifiable excuse is required. If the excuse is approved, the makeup will be given within one week of the missed test.

Pre & Post QL: There will be two extra credit assignments. QL quizzes during the Spring semester of 2010 will be available as follows:

- Pre QL from Jun 14 2010 at 12:01 AM till Jun 21 2010 at 11:59 PM.
- Post QL from Jul 24 2010 at 12:01 AM till Jul 31 2010 at 11:59 PM.

These assignments must be taken on your uLearn account. The bonus points you earn on these quizzes will be added to your total points count.

Final Exam: There is a **comprehensive** 200 points final exam. The final exam will be held on Thursday, August 5th from 8:00 AM - 10:00 AM in the regularly scheduled lecture room. The University's final exam regulations will be strictly followed.

Grades: The total number of points available in the course is 800. Grades will be no lower than those set forth in the following table

776-800	97% to 100%	A+
744-775	93% to 96.875%	A
720-743	90% to 92.875%	A-
696-719	87% to 89.875%	B+
664-695	83% to 86.875%	B
640-663	80% to 82.875%	B-
616-639	77% to 79.875%	C+
560-615	70% to 76.875%	C
480-559	60% to 69.875%	D
0-479	< 60%	F

Student Disabilities Policy: If you have now or develop during this semester a physical or learning disability and you want your professor to make reasonable accommodations for that, you must contact the Margaret A. Station Office of Disability Services at (404) 413-1560. Once the Office of Disability Services has received appropriate documentation, they will inform your instructors.

Important Deadlines: Registration and add/drop ends June 18. The last day to withdraw from the course is July 1.

Academic Assistance at GSU:

1. Math Assistance Complex (MAC), 122 Kell Hall (Phone: (404) 413-6462).