Syllabus for MATH 3020 <small>Section A</small>
Differential Equations

Term: Spring 2011	Instructor: Dr. Predrag Punoševac
Time: MWF 12:00 PM - 12:50 PM	Office: Allgood Hall N334
Room: Science Hall W3015	Phone: (706) 667-4481
Credit Hours: 3	E-mail: ppunosev@aug.edu

Office Hour: MW 2:30 PM - 4:00 PM, T 3:30 PM - 4:30 PM, or by appointment.

Text: *Differential Equations: Computing and Modeling*, 4$^{\text{th}}$ edition by Henry Edwards and David Penney, Prentice Hall 2007.

Description: A study of first-order and linear second-order differential equations with applications. Topics include solution techniques, qualitative behavior, numerical methods, Laplace transformations, and the use of series.

Prerequisite(s): Math 2012 or permission of instructor.

Course Outline: We will be covering selected topics from chapters 1-7 of the textbook.

January					February				
Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
3	4	5 Intro 1	6	7 1		1	2 3	3	4 3
10 1	11	12 1	13	14 1	7 3	8	9 3	10	11 3
17 MLK Day	18	19 1	20	21 2	14 3	15	16 Review	17	18 **Exam 1**
24 2	25	26 2	27	28 2	21 4	22	23 4	24	25 4
31 3					28 4				

March					April				
Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
	1 Midterm	2 4	3	4 4					1 **Exam 2**
7 5	8	9 5	10	11 5	4 No Classes	5 No Classes	6 No Classes	7 No Classes	8 No Classes
14 5	15	16 6	17	18 6	11 **Project 1** 7	12	13 7	14	15 7
21 6	22	23 6	24	25 6	18 7	19	20 7	21	22 Review
28 6	29	30 Review	31		25 Review	26	27 Review	28	29

This course syllabus provides a general plan for the course; deviations may be necessary.

Attendance: Students are expected to attend class daily and arrive in a timely fashion. Attendance will be taken.

Policy on Academic Honesty: All students are expected to abide by the Augusta State University policy on academic honesty page 46 of *Augusta State University Catalog.*

Homework: A weekly homework, consisting of ten problems, will be assigned every Friday. These problems will be due following Friday. Only five random problems will be graded on a scale 0-2 and a score 0-10 points will be assigned for each individual homework. In total you may earn 100 points towards your final grade through homework.

Project: There will be one 20 points MATLAB project. The due date is April 11.

In-Class Exams: There will be two 50 points in-class exams. The exams are scheduled for February 18, and April 1.

Make-Up Policy: There will be no makeups on homework, project, and in-class work. To allow for excused absences, I will drop your three lowest homework 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.

Final Exam: There is a comprehensive 100 points final exam. The final exam will be held on Friday, April 29th from 1:00 PM - 3:00 PM 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 320. Grades will be no lower than those set forth in the following table.

288-320	90% to 100%	A
256-287	83% to 89.7%	B
224-255	70% to 79.7%	C
192-223	60% to 69.7%	D
0-191	< 60%	F

Important Deadlines: Registration and add/drop ends January 7. The last day to withdraw from the course is March 1.

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 Office of Disability Services at (706) 737-1471. Once the Office of Disability Services has received appropriate documentation, they will inform your instructors.

Academic Assistance at ASU:

1. Math Assistance Center (MAC), Allgood Hall N337.