

Syllabus for CSCI 3030 Section A

Mathematical Structures for Computer Science

Term: Spring 2011
 Time: MW 4:00 PM - 5:15 PM
 Room: Allgood Hall E364
 Credit Hours: 3

Instructor: Dr. Predrag Punoševac
 Office: Allgood Hall N334
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Office Hour: MW 2:30 PM - 4:00 PM, T 3:30 PM - 4:30 PM, or by appointment.

Text(s): *A Short Course in Discrete Mathematics* and *Mathematics for Algorithm and Systems Analysis*, by Edward A. Bender & S. Gill Williamson, Dover Publications 2005.

Description: The course prepares Computer Science majors for advanced study by emphasizing components of Discrete Mathematics related to Computer Science. The topics include sets, functions and relations, logic, Boolean algebra, graph theory, proof techniques, and matrices. Examples will emphasize Computer Science applications.

Prerequisite(s): MATH 2011 or MATH 1220, either with C or better.

Course Outline: We will cover most of the material contained in units BF, Lo, NT, SF, EO, and IS of the first book as well as some of the material contained in units CL, DT, and GT of the second book.

January					February				
Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
3	4	5 Intro BF	6	7		1	2 NT	3	4
10 BF	11	12 BF	13	14	7 SF	8	9 SF	10	11
17 MLK Day	18	19 BF	20	21	14 Review	15	16 Exam 1	17	18
24 Lo	25	26 Lo	27	28	21 EO	22	23 EO	24	25
31 NT					28 IS				
March					April				
Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
	1 Midterm	2 IS	3	4					1
7 CL	8	9 CL	10	11	4 No Classes	5 No Classes	6 No Classes	7 No Classes	8 No Classes
14 DT	15	16 DT	17	18	11 GT	12	13 GT	14	15
21 DT	22	23 GT	24	25	18 GT	19	20 Review	21	22
28 Review	29	30 Exam 2	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. Up to 20 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 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 Wednesday. These problems will be due following Wednesday. 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.

In-Class Exams: There will be two 50 points in-class exams. The exams are scheduled for February 16 and March 30.

Make-Up Policy: There will be no makeups on homework, 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 Monday, May 2nd from 3:30 PM - 5:30 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.