Rowan University
Discrete Structures – Math03 160-3
Spring 2019
Monday/Wednesday 6:30-7:45, Rob324

Instructor Information:
Brian Reed
Office Hours – Mondays from 5:15 until 6:15, Robinson 230
Email – reedb@rowan.edu
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Required Text:
Discrete Mathematics for Computer Scientists by Stein, Drysdale and Bogart, Addison-Wesley, 2011

Grades:
Your grade in this class will be calculated using a percentage computed by dividing the total points you have earned on tests and quizzes by the total points possible. We will have three exams (100 points each) and hopefully ten quizzes (10 points each.) As soon as I have an exam or quiz graded, I will post your grade on Blackboard. Your final grade will be assigned as follows; A(93 or above), A-(90 to 92), B+(87 to 89), B(83 to 86), B-(80 to 82), C+(77 to 79), C(73 to 76), C-(70 to 72), D+(67 to 69), D(63 to 66), D-(60 to 62), F(0-59)

Homework:
There will be homework problems assigned after every class. Successful students will work on these problems immediately after class and then review and revise their work before the next class meeting. If you have difficulties with any problems, please come to my office hours or ask about them at the beginning of the next class. Homework completion does not count toward your final average. However, good homework habits are necessary for subject matter retention.

Technology:
While Discrete Structures builds a foundation for thought processes needed to develop technology and the use of technology can facilitate some of the topics studied in our course, for most of our classes access to technology will be unnecessary. In fact, for most students, it is a distraction. During class you need to be focused on the material. Turn all technology off. When we need a calculator or any other technology, I will let you know. If you need to take a call or answer a text because it is an emergency, please leave the room.

Absolutely no technology will be needed or may be used during tests or quizzes.

Attendance:
Plan on coming to every class. If you must miss a class you will miss the exam or quiz for that evening. There will be no make-up evaluations unless cleared with me ahead of time or if documented immediately after (i.e. an emergency room visit.) Students who come to class late, or leave early, or are absent more than twice, or spend their class time distracted by technology, will not qualify for any curving of the final average.

Class Structure:
Each meeting we will be exploring topics in Discrete Math and working sample problems together. We will have homework problems to complete for the following class. In the beginning of class we will go over concerns from homework. Then we will tackle new material. We will finish class with a review and quiz on the previous homework assignment.

The class before an exam, I will provide review problems. We will work those problems together, and then take the exam during the next class. Students who would like to see their exam after it is graded are invited to do so during office hours or after the following class.

Discrete Structures - Homework problems

Section 1.1	Pg. 8, #1-14
Section 1.2	Pg. 20, #1-14, 16
Section 1.3	Pg. 30, #1,2,3,5,8,9,11,12,13,14,16
Section 1.4	Pg. 42, #1-3
Section 1.5	Pg. 54, #1,2,3,5,7,8,11,15
Section 2.1	Pg. 72, #1,2,3,4,5,9,14
EXAM 1	
Section 2.2	Pg. 90, #1,2,3,5,7,11,12,13,19
Binary Problems	
Section 3.1	Pg. 131, #1,4-12
Section 3.2	Pg. 147, #1,2,3,7,8
Section 3.3	Pg. 159, #1-12
Section 4.1	Pg. 180, #1-4, 8 and 3 more induction proofs
Section 4.2	Pg. 197, #1,3,4,5,6,8,9,18a and 4 recurrence relations to solve
EXAM 2	
Section 5.1	Pg. 260, #1,2,4-8,10-14
Section 5.2	Pg. 274, #1-5, 9
Section 5.3	Pg. 290, #1-10, 12, 13
Section 6.1	Pg. 373, #1-5, 10, 11, 15-17
Section 6.2	Pg. 387, #1,3,4,6,7,14
Section 6.3	Pg. 407, #1-5,8,9,12
Section 6.5	Pg. 445, #1-3,5,6,9
EXAM 3	

Discrete Structures Schedule - Spring 2019 (subject to change)

Monday		sections	Wednesday	sections	
			23-Jan	1.1	
28-Jan	*	1.2	30-Jan	1.3	* last day for drop/add
4-Feb	**	1.4	6-Feb	1.5	** last day for late drop add
11-Feb		1.5	13-Feb	2.1	
18-Feb		sg	20-Feb	ex1	
25-Feb		2.2	27-Feb	Binary	
4-Mar		3.1	6-Mar	3.2	
11-Mar		3.3	13-Mar ***	3.3	*** last day for regular withdrawal
18-Mar		no class	20-Mar	spring break	
25-Mar		4.1	27-Mar	4.2	
1-Apr		sg	3-Apr	ex2	
8-Apr		5.1	10-Apr	5.2	
15-Apr	****	5.3	17-Apr	6.1	**** last day for late withdrawal
22-Apr		6.2	24-Apr	6.3	
29-Apr		6.5	1-May	sg	
6-May		ex3 or ->	8-May	ex3	