

Introduction to Math Modeling and Probability

Summer II - 2017

Instructor: Charles Daly
Email: cdaly69@math.umd.edu
Course: Math 107 - 0201
Room And Time: MTH 0409 : 9:30 AM - 10:50 AM
Meetings: Monday - Friday : July 10th, 2017 - August 18th, 2017
Office Hours: MTH 4423 : Tuesday and Friday : 11:30 AM - 1:00 PM
Textbook: Finite Mathematics for the Managerial, Life, and Social Sciences
Tenth or Eleventh Edition by Soo T. Tan.

Grading: Your grade will be determined by three exams and six quizzes. Exams will be worth fifty points each, whereas quizzes will be worth ten points each. Your lowest quiz score will be dropped. Thus the total amount of points is given by,

$$(3 \text{ exams})(50 \text{ points}) + (5 \text{ quizzes})(10 \text{ points}) = 200 \text{ points}$$

Grades will be determined by the following standard percent scale. Do not expect a curve for this course.

90 - 100 : (A) | 80 - 89 : (B) | 70 - 79 : (C) | 60 - 69 : (D) | 0 - 59 : (F)

Exams and Quizzes: Make-up exams will be provided to students who present appropriate documentation for a university approved absence. Please see the following webpage which provides information relevant to standard classroom policies and procedures.

<https://www.ugst.umd.edu/coursereLATEDpolicies.html>

In the case of illness, it is expected that you notify me prior to the start of examination about your absence, or alternatively as soon as possible. A make-up exam will be administered as early as circumstances permit, so long as documentation excusing your absence is provided. Make up quizzes will in general not be given, as the lowest quiz score is dropped.

Calculators: Calculators will be required for certain exams and quizzes. In general, they will be allowed throughout the course, and not forbidden on graded material.

Additional Assistance: Outside sources are available to students for free. Please come to my office hours if you are struggling, or even just want to do your homework. Furthermore, Monday through Friday from 12:30 PM to 2:30 PM in MTH 0411, there will be a tutor there to assist you with whatever questions you may have related to our course.

Accessibility and Disability Services: If you have a documented learning or physical disability, and require either additional time or another testing environment, you will need to register with the Accessibility and Disability Service ADS, formerly DSS, located in the Shoemaker Building, Room 0106. Additionally, you will need to provide me the necessary forms for examination at least three class periods before the quiz or exam in question. If you have any questions concerning this process, or are new to it, please do not hesitate to ask or contact me, as I will do my very best to accommodate.

Academic Integrity: There are more important things than grades. Following a well aligned moral compass is one of those things. If you are found taking any action to tip your odds of success at the expense of others, you will be reported to the Honor Council and the Office of Student Conduct.

Date	Section	Homework
<u>Week One:</u>		
July 10	1.2	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 31, 35
July 11	1.2	41, 45, 51, 47, 59, 65, 73, 75, 79, 81, 83, 85, 87, 89, 91
July 12	1.3	11, 13, 15, 17, 21, 23, 29, 31
July 13	1.3	33, 35, 37, 39, 41, 43, 45
July 14	1.4	1, 3, 5, 7, 9, 11, 15, 17, 19, 21 23, 25, 27
<u>Week Two:</u>		
July 17	2.1	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 29, 33
July 18	2.2	1, 3, 35, 37, 39, 41, 45, 57, 59, 61 63, 65
July 19	5.1	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25
July 20	5.1	27, 29, 31, 33, 35, 37, 39, 41, 43, 51 53, 57
July 21	Exam One	
<u>Week Three:</u>		
July 24	6.1, 6.2	6.1: 1, 3, 5, 7, 9, 11, 15, 17, 19, 25, 27, 31, 35, 37, 39, 41, 43, 47, 51 6.2 : 1, 3, 5, 7, 9
July 25	6.2	11, 13, 15, 17, 21, 23, 25, 27, 29, 35 37, 39, 43

Date	Section	Homework
July 26	6.3	1, 3, 5, 7, 9, 11, 13, 15, 17, 19 21, 23, 25, 29
July 27	6.4	1, 3, 5, 6, 9, 11, 13, 17, 19 21, 23, 25, 27, 29, 31, 33, 35, 37, 39
July 28	6.4	41, 43, 45, 47, 49, 51, 53, 55, 57, 59 61, 63, 65, 67, 69, 71, 73, 75
<u>Week Four:</u>		
July 31	7.1, 7.2	7.1 : 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, 25, 27, 29, 35 7.2 : 1, 3, 5, 7, 9, 11, 23, 31, 37
August 1	7.3	1, 3, 5, 7, 9, 11, 15, 17, 19, 21, 25, 27, 31
August 2	7.4, 7.5	7.4 : 1, 3, 5, 7, 9, 11, 13, 15, 17, 19 21, 23, 25 7.5 : 1, 3, 5, 7, 9
August 3	7.5	11, 13, 15, 17, 19, 21, 23, 25, 27, 29 31, 33, 35, 37, 41
August 4	Exam Two	
<u>Week Five:</u>		
August 7	8.1	1, 3, 5, 7, 9, 11, 13, 15
August 8	8.1	17, 19, 21, 23, 25, 27, 29
August 9	8.2	1, 3, 5, 7, 9, 11, 13, 15, 19 21, 23, 29, 31, 33, 35
August 10	8.3	1, 3, 5, 7, 9, 11, 13, 15, 19

Date	Section	Homework
August 11	8.3	21, 23, 25, 27, 29, 31, 33, 35, 37
<u>Week Six:</u>		
August 14	8.4	1, 3, 5, 7, 9, 11, 13, 15, 17, 19
August 15	8.4	21, 23, 25, 27, 29, 31, 33, 35, 37, 39
August 16	8.5	1, 3, 5, 7, 9, 11
August 17	8.5	13, 15, 17, 19
August 18	Exam Three	