

MATH 10B, SECTION 1 – TALASKA

CALENDARS, SPRING 2017

Lecture Calendar

Week	Dates	Main lecture topics
1	Jan 17, 19	Introduction The basics of counting Inclusion-exclusion principle
2	Jan 24, 26	Pigeonhole principle Permutations, combinations Binomial coefficients
3	Jan 31, Feb 2	Balls into boxes: the 12-fold way Algorithms: stable assignments
4	Feb 7, 9	Probability Conditional probability Bayes' Theorem
5	Feb 14, 16	Independence Random variables Discrete distributions
6	Feb 21, 23	More on discrete distributions Expected value, variance (<i>last topic on Midterm 1</i>) Statistical tests
7	Feb 28, Mar 2	Parameter estimation Hypothesis testing, χ^2 tests
8	Mar 7 Mar 9	MIDTERM #1 Catch-up day
9	Mar 14, 16	Recursion equations Differential equations Linear first-order ODE
10	Mar 21, 23	Partial fractions Nonlinear separable ODE Second-order linear ODE (<i>last topic on Midterm 2</i>)
11	March 27-31	SPRING BREAK
12	Apr 4, 6	Algorithms: Euler's method Algorithms: Dynamic programming, DNA
13	Apr 11 April 13	Matrix algebra Inverses, determinants MIDTERM #2
14	April 18, 20	Algorithms: Gaussian elimination Eigenvalues, eigenvectors
15	April 25, 27	Least squares Linear regression Linear systems of ODE
RRR	May 2, 4	Review

Section Calendar

Date	Assignment Due	Quizzes
W Jan 18		
F Jan 20		Quiz 1
M Jan 23	Homework 1	
W Jan 25	Homework 2	
F Jan 27		Quiz 2
M Jan 30	Homework 3	
W Feb 1	Homework 4	
F Feb 3		Quiz 3
M Feb 6	Homework 5	
W Feb 8	Homework 6	
F Feb 10		Quiz 4
M Feb 13	Homework 7	
W Feb 15	Homework 8	
F Feb 17		Quiz 5
M Feb 20	<i>(no class)</i>	
W Feb 22	Homework 9	
F Feb 24	Homework 10	Quiz 6
M Feb 27	Homework 11	
W Mar 1	Homework 12	
F Mar 3		Quiz 7
M Mar 6	<i>Review for Midterm 1</i>	
W Mar 8	Homework 13	
F Mar 10		
M Mar 13	Homework 14	
W Mar 15	Homework 15	
F Mar 17		Quiz 8
M Mar 20	Homework 16	
W Mar 22	Homework 17	
F Mar 24		Quiz 9
MWF Mar 27, 29, 31	<i>Spring Break</i>	
M Apr 3	Homework 18	
W Apr 5	Homework 19	
F Apr 7		Quiz 10
M Apr 10	Homework 20	
W Apr 12	<i>Review for Midterm 2</i>	
F Apr 14		
M Apr 17	Homework 21	
W Apr 19	Homework 22	
F Apr 21		Quiz 11
M Apr 24	Homework 23	
W Apr 26	Homework 24	
F Apr 28		Quiz 12