

Summer I 2009 - Math 166-100: Topics in Contemporary Math II Syllabus

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Class Time MTWRF 2-3:35pm BLOC 161
Office Hours Monday and Wednesday 12:30-1:30pm, Tuesday and Thursday 3:45-4:45pm

Course Content: Logic (L.1-L.2), Sets and Probability (1.1-1.7), Counting and Probability (2.1-2.4), Probability Distributions and Statistics (3.1-3.4), Finance (F.1-F.4), Systems of Linear Equations (4.3-4.4), Matrices (5.1-5.2), Markov Chains (M.1-M.3), and Game Theory (G.1-G.2). Prerequisites: High school algebra I and II and geometry. Note: Credit will only be given for either Math 141 or Math 166, but not for both.

Textbook: *Applied Finite Mathematics*, by Tomastik and Epstein

Calculator Policy: A TI-83, TI-83PLUS, TI-84, or TI-84PLUS is **REQUIRED**; these will be the only calculators I will use in class for demonstrations, and you may use any one of these calculators on most of the quizzes and tests. *NOTE: It is considered CHEATING to have notes, formulas, or programs in your calculator other than the ones I give you to use. Consequences for cheating will be severe.*

Daily Grades: Your overall daily grade will consist of Homeworks and Quizzes combined. See Below.

Homework: Your daily suggested homework will prepare you for your quizzes and tests, but will not be turned in for a grade. It is crucial that you work these problems to master the topics. You will be taking homework assignments on an on-line system (WebAssign) which will be counted as Daily Grades.

Quizzes: Quizzes will be given in class. There will be NO make-up quizzes if you miss class without a University Excused Absence. Quizzes may or may not be announced so it is imperative that you keep up with your homework.

Exams: There will be three in-class exams. You must bring your Student ID to each exam. Calculators will be checked during or before each test. If there are any programs on your calculator which I did not give you, the occurrence will be considered as scholastic dishonesty. No make-up exams will be given without an official, written, University excuse. An absence for a non-acute medical service or regular check-up does not constitute an excused absence. In case of illness, you **MUST** contact me within TWO working days of the missed exam; otherwise, you forfeit the right to a make-up. The tentative exam schedule is as follows:

Exam 1 Monday, 8/June/2009
Exam 2 Wednesday, 17/June/2009
Exam 3 Thursday, 25/June/2009

Final Exam: The final exam will be comprehensive and will consist of multiple choice problems only. The final exam is scheduled for Thursday, July 2nd 3:30-5:30pm.

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

3 Exams - 18% each	54%
Daily Grades	23%
Final Exam	23%
TOTAL	100%

Grades: Any questions concerning the grading of a Daily Grade or Exam must be presented to me within one week of the return of the assignment. Otherwise the grade will not be changed. I will be posting grades during the semester on E-Learning. Please go to <http://elearning.tamu.edu> to login.

Class Policies: To succeed in this class, attendance is a necessity. Be on time to class!! Once in the classroom, you will be expected to be respectful to everyone. This includes turning off and putting away cell phones, ipods, and newspapers. Also, it is very disrespectful to talk during lecture. If I feel you are being disrespectful, I will tell you to leave the classroom.

Available Help: If you are having problems please come to my office hours as soon as possible. Other sources of help include old week-in-reviews and help sessions.

Aggie Honor Code: “An Aggie does not lie, cheat, or steal, or tolerate those who do.” Copying other people’s work, either in or out of the classroom, is an act of scholastic dishonesty and will be prosecuted to the greatest extent allowed by University policy. For more information on the Honor Council Rules and Procedures please visit <http://www.tamu.edu/aggiehonor>.

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American with Disabilities Act: All students with disabilities must be guaranteed a learning environment that provides for reasonable accomodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Cain Hall Room B118 or call 845-1637.

Tentative Schedule

Week of	M	T	W	R	F
6/1	L.1/L.2	1.1/1.2	1.3/1.4	1.5/1.6	1.7/R1
6/8	X1	2.1/2.2	2.3	2.4	3.1/3.2
6/15	3.3	3.4/R2	X2	F.1/F.2	F.3/F.4
6/22	4.3/4.4	5.1	5.2/R3	X3	M.1/M.2
6/29	M.3	G.1	G.2/RF	XF	

LEGEND: X:Exam R:Review

Math 166 Homework Problems

Section	Problems
L.1	1-19 (odd)
L.2	1-23 (odd)
1.1	1-7 (odd), 11-51 (odd)
1.2	1-29 (odd)
1.3	1-27 (odd)
1.4	1-13 (odd), 17, 21, 23, 25, 31, 33
1.5	1, 5, 11, 17, 19, 23, 27, 31, 35
1.6	1, 5, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47
1.7	1, 5, 9, 13, 17, 21, 25
2.1	13, 17, 21, 23, 25, 29, 31, 33, 35, 41, and Counting Handout 1
2.2	1, 15, 17, 21, 25, 29, 31, 33-43 (odd) and Counting Handouts 2 and 3
2.3	1, 5, 9-29 (odd)
2.4	1, 7, 13, 15, 17, 21-25 (odd), 29, 35, 39, 43
3.1	1-9 (odd), 13, 15, 19, 21, 23, 29
3.2	1, 5, 9, 11, 15, 17, 25, 29, 35, 37, 43
3.3	1, 3, 7, 9, 13, 15, 21, 25, 33, 35, 37
3.4	1, 5, 9, 13, 17, 21-33(odd)
F.1	1, 5, 9, 13, 25, 27
F.2	1, 5, 9, 11, 15, 17, 29, 33
F.3	1, 5, 11, 15, 17, 21, 23, 25
F.4	3, 7, 11, 15, 19, 25, 27, 31, 37, 41, 43
4.3	1, 5, 9, 13, 17, 21, 25, 27, 29, 31, 35, 37, 39, 41, 45
4.4	7, 9, 11, 13, 15, 17, 21, 25, 29, 33, 37, 41, 45, 51, 53, 57
5.1	1, 5, 9, 13, 17, 21, 23, 27, 31, 35, 39, 41, 43, 49
5.2	3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 61, 63, 65, 67
M.1	1, 5, 9, 13, 17-21(odd), 27, 29
M.2	1, 5, 9, 13, 17, 21-27 (odd)
M.3	1-33 (odd)
G.1	1-17 (odd)
G.2	1-11 (odd)