

MAT 118, Stony Brook University, Fall 2013

This version is subject to change. Check for updates throughout semester

Times and places:

Lectures: MWF 9:35-10:30, Room 102 Light Engr Lab, Prof. C. Bishop

Recitation 1: W 5:30-6:23 Humanities 1023, Chandrika Sadanand

Recitation 2: M 1:00-1:53 Chemistry 128, James Mathews

Recitation 3: TH 1:00-1:53 Physics P113, James Mathews

Text: *Excursions in Modern Mathematics*, by P. Tannenbaum, 8th edition, Prentice Hall.

Class Webpage: <http://www.math.sunysb.edu/~bishop/classes/math118.F13>

Tentative Schedule: The table lists the sections we will cover in each lecture. Revisions may be made during the semester. Homework is due the week before the chapter exam.

WEEK	STARTING	MONDAY	WEDNESDAY	FRIDAY
1	Aug 26	FIRST DAY	1.1, 1.2	1.3
2	Sept 2	NO CLASS	1.4,1.5	1.6
3	Sept 9	2.1, 2.4	2.2	2.3
4	Sept 16	CHAP 1 EXAM	3.1, 3.2	3.3, 3.4
5	Sept 23	CHAP 2 EXAM	3.5, 3.6	4.1, 4.2
6	Sept 30	4.3	4.4, 4.5	4.6
7	Oct 7	CHAP 3 EXAM	5.1, 5.2	5.3
8	Oct 14	5.4	6.1, 6.2	6.3
9	Oct 21	CHAP 4 EXAM	6.4	6.5
10	Oct 28	CHAP 5 EXAM	7.1, 7.2	7.3
12	Nov 4	CHAP 6 EXAM	15.1, 15.2	15.3
13	Nov 11	CHAP 7 EXAM	NO CLASS	CHAP 15 REVIEW
14	Nov 18	CHAP 15 EXAM	16.1, 16.2	16.3
15	Nov 25	NO CLASS	NO CLASS	NO CLASS
16	Dec 2	16.4	16.5	REVIEW
17	Dec 9	NO CLASS	FINAL 8:30-11pm	

Important Dates:

August 26: first day of class

Sept 1: last day to drop or withdraw without tuition penalty

Sept 2,3: Labor Day, no class

Sept 10: last day to drop without a W

Oct 25: last day for section changes

Oct 25: last day to P/NC

Oct 25: last day to drop a course with a W

Nov 27-29: Thanksgiving break, no class

Dec 6: last class

Dec 11: Final exam, 8:30pm-11:00pm

Grades: There will be nine chapter exams worth 25 points each. Chapter exams will be taken in lecture, but returned and discussed in recitation. The exams will be multiple choice. We will drop the two lowest chapter exam grades and there will be 50 points due to homework and a final worth 50 points. The final will cover the whole course (including some material that will not be covered in a chapter exam). However, since there is not a separate Chapter 16 exam, about a third of the final will cover Chapter 16.

Homework: There will be problems assigned from each chapter which should be done and handed in to the teaching assistant (TA), either at recitation or at a time and place stated by the TA. Students receive one point for each correct, legible, timely solution. Some exam problems will be based on exercises in the text, so you may want to look at problems besides just those that have been assigned.

Chapter	Topic	Homework problems
1	Voting Methods	2,4,8,18,27,33,41,51
2	Measuring power	1,4,12,18,27,34,39,53
3	Fair division	5,9,15,16,25,35,43,51
4	Apportionment	2,6,12,24,38,44,53,54
5	Euler Paths	3,7,10,23,25,36,44,65,66
6	Traveling Salesman	1,10,16,29,32,36,41,49
7	Networks	1,4,22,28,31,34,41
15	Graphs, Charts and Numbers	1,2,3,4,23,33,57
16	Probability	2,9,13,18,35,41,55

Contact information and office hours:

Prof. Bishop: Math 4-112, MWF 10-11am, bishop@math.sunysb.edu

Sadanand: Physics D-101 4-5 F, MLC 10-11 & 4:20-5:20 W, chandrika@math.sunysb.edu

Mathews: Math 2-105 3-4i W, MLC 4-6 W, jmath@math.sunysb.edu

DSS notice: If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services at (631) 632-6748 or <http://studentaffairs.stonybrook.edu/dss/>. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: <http://www.sunysb.edu/>

Academic Integrity: Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology and Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary/>