

MAT 118 Summer Syllabus

Lisa Marquand

March 2020

Text: Excursions in Modern Mathematics by Peter Tannenbaum, 8th edition

Topics: The goal of this course is to develop the student's mathematical thinking and his ability to manipulate various concepts via the study of concrete, modern applications. This will include studying:

- Networks and Graphs
- Probability
- Population Growth
- Fibonacci numbers and the golden ratio (if time)

Students are advised to follow the course by reading the textbook alongside lectures. Homework problems will be from the textbook.

Teacher: Lisa Marquand

Course Schedule: Tuesday, Thursday 1:30pm- 4:55pm via ZOOM

Email: lisa.marquand@stonybrook.edu

Office Hours: to be determined.

Grading Policy:

- Homework=40%
- Quizzes =40%
- Project/Participation =20%

Homework: There will be 4 Homeworks (weekly), each worth 10% to be scanned in and emailed to me.

Quizzes: Due to the online nature of the course, instead of exams there will be 4 (weekly) quizzes. These will be 10% each and will be accessed via blackboard. Details to follow.

Project/Participation: The course's aim is to learn mathematics through real life examples. Although we cover a variety of topics, the book covers many more. The final 20% will be for a project on a different mathematical

real-world topic. Suggested examples will be given and details to follow. There is also participation grade that will be taken into account.

Disability Support Services (DSS) Statement: If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC(Educational Communications Center) Building, Room 128, (631)632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential. <http://studentaffairs.stonybrook.edu/dss/>

Academic Integrity Statement: 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 is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & 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/commcms/academic_integrity/index.html

Critical Incident Management: Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.