

# MAT 118 Summer Syllabus

Lisa Marquand

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**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/>

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[http://www.stonybrook.edu/commcms/academic\\_integrity/index.html](http://www.stonybrook.edu/commcms/academic_integrity/index.html)

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