

Syllabus

Course description: A survey of the history of mathematics from the beginnings through the 20th century, with special attention to primary sources and to the interactions between culture and mathematics. Emphasis on topics germane to the high school curriculum.

Prerequisite: MAT 200 or MAT 203 or MAT 250 or AMS 261.

Credits: 3.

Instructor: Professor Oleg Viro. e-mail: oleg.viro@stonybrook.edu
Online office hours: Monday, Wednesday at 4:15pm-5:15pm.

Grader: Matthew Dannenberg, e-mail: Matthew.Dannenberg@stonybrook.edu

Textbook: David M. Burton, The History of Mathematics, 7th edition, McGraw-Hill 2011.

Meetings: MW 2:40pm- 4:00pm in Physics P129.

Quizzes: will be given weekly in class.

In class presentations: Each student will give a 15 minute oral presentation in front of the class over a topic assigned by the instructor. After the presentation, there will be a 5 minute class discussion, in which the other students can ask questions, or make comments about the presentation.

Term papers: Each student will write a term paper of 10-15 pages on a topic that must be approved by the instructor. The term paper will be graded on its content, as well as on how well it is written. The term paper should be uploaded to Blackboard by Wednesday, December 1. Late papers cannot be accepted. There will be no final exam.

Grading policy: your grade for the course will be based on: weekly quizzes 30%, class presentation 20%, term paper 50%.

Writing requirement: Successful completion of MAT 336 with a C or better satisfies DEC H and the expository portion of the upper-division writing requirement for the mathematics major, as well as the STAS, WRTD, and SPK objectives in the Stony Brook Curriculum:

Learning Outcomes for “Understand relationships between Science or Technology and the Arts, Humanities or Social Sciences (STAS)”:

1. Apply concepts and tools drawn from any field of study in order to understand the links between science or technology and the arts, humanities or social sciences.
2. Synthesize quantitative and/or technical information and qualitative information to make informed judgments about the reciprocal relationship between science or technology and the arts, humanities or social sciences.

*Learning Outcomes for “**Speak Effectively before an Audience (SPK)**”:*

1. Research a topic, develop an oral argument and organize supporting details.
2. Deliver a proficient and substantial oral presentation for the intended audience using appropriate media.
3. Evaluate oral presentations of others according to specific criteria.

*Learning Outcomes for ”**Write Effectively within One’s Discipline (WRTD)**”:*

1. Collect the most pertinent evidence, draw appropriate disciplinary inferences, organize effectively for one’s intended audience, and write in a confident voice using correct grammar and punctuation.

Everyone participating in this class must wear a mask or face covering at all times or have the appropriate documentation for medical exemption. Please contact Student Accessibility Support Center (SASC) at sasc@stonybrook.edu if you need special accommodations. Any student not in compliance with this policy will be asked to leave the class.

All your work should be done by you and nobody else. Submitting somebody’s else work is a serious violation of university integrity policy and will be treated respectively. See Academic integrity statement below.

If your in-class work will have significantly lower grade than your combined online work, the instructor reserves the right to arrange a personal Zoom meeting and validate that you are able to reproduce the online work you have submitted. By the results of this meeting, the total grade may be changed.

Student Accessibility Support Center (SASC) statement: If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, Stony Brook Union Suite 107, (631) 632-6748, or at sasc@stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

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. Until/unless the latest COVID guidance is explicitly amended by SBU, during Fall 2021 “disruptive behavior” will include refusal to wear a mask during classes. For the latest COVID guidance, please refer to: <https://www.stonybrook.edu/commcms/strongertogether/latest.php>