MATH 181
History of Mathematics
Summer 2020 - Session II

Course Description: A survey from a historical point of view of various developments in mathematics. Specific topics and periods to vary yearly.

Prerequisites: Math 19B / Math 20B; Math 100 is strongly recommended for preparation.

Main Textbook:

Other References:

Lecture Time and Location: MoWeFr 1:00PM - 3:30PM, at:
  https://ucsc.zoom.us/j/92068436119

Class Dates: July 27, 2020 - August 28, 2020

The course is hosted on Canvas. You do not need to sign up for an account. Login with your CruzID and Gold Password at canvas[dot]ucsc[dot]edu. See Canvas Getting Started Student Guide.

Instructor: John Pelias
Instructor’s E-mail: jppelias[at]ucsc[dot]edu
Instructor’s Office Hours and Location: MoWeFr 3:30PM - 4:30PM, at:
  https://ucsc.zoom.us/j/92068436119

Grading:
50% Homeworks
50% Final Project

Homeworks: There will be weekly homeworks, due every Friday.
Final Project: There will be a Final Project, in the form of a paper/write-up, due on August 31, 2020.
Late/Makeup Policy: I will neither accept late homework nor give makeup seatworks/exams.
Tentative Schedule: (subject to change, based on actual progress of the class)

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<td>2: Mathematics in Early Civilizations</td>
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<td>3: The Beginnings of Greek Mathematics</td>
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<td>4: The Alexandrian School: Euclid</td>
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<td>5: The Twilight of Greek Mathematics: Diophantus</td>
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<td>9: The Development of Probability Theory: Pascal, Bernoulli, and Laplace</td>
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<td>10: The Revival of Number Theory: Fermat, Euler, and Gauss</td>
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<td>13: Extensions and Generalizations: Hardy, Hausdorff, and Noether</td>
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Important Deadlines:
- **Drop**: August 3, 2020 (Mon)
- **Request for “W”**: August 14, 2020 (Fri)

Summer is unique. **You will not be dropped for non-attendance or non-payment.** You must drop yourself. Dropping before the deadline results in a full-tuition reversal/refund. Withdraw posts a W for the grade and full tuition is charged (no refund).

For all dates and deadlines, including ‘change of grade option’ (P/NP) and grades due, here is the summer academic calendar:

https://summer.ucsc.edu/studentlife/index.html

For questions about dropping, requesting a W grade for a course, or withdrawing from the summer quarter, email summer[at]ucsc[dot]edu.

DRC Remote Accommodations

The Disability Resources Center reduces barriers to inclusion and full participation for students with disabilities by providing support to individually determine reasonable academic accommodations. Operations continue via remote appointments. If you have questions or concerns about exam accommodations or any other disability-related matter, email the DRC Schedulers at drc[at]ucsc[dot]edu for an appointment.

Small Group Tutoring

Small Group Tutoring (SGT) supports students academically to advance educational equity by designing inclusive learning environments outside of the classroom. In SGT, you can expect the Tutor to facilitate cooperative group activities designed to have students work together on the course content and develop study skills for the course. SGT is offered at least three times each week for the entire quarter. The Tutor is an undergraduate student who took the class,
did well, and is trained to facilitate group sessions to focus on students’ needs to succeed in the course. SGT is open to all students enrolled in the class and they must sign up on our online system: TutorTrac. When students sign up for SGT, they are committing to attend every week. For Summer 2020, students can begin signing up for tutoring on Monday, June 22nd and tutoring will begin Wednesday, June 24th. Students only have to sign up once for tutoring and their appointments will repeat weekly. Sign-ups will close on Friday, August 14th for all Summer Session Sign-Ups. This means that after August 14th, no new students can sign up for tutoring.

Want SGT to be successful for you? Bring your books, lecture notes, questions, and be open to working collaboratively with your peers. You can sign up using this link:

https://ucsc.go-redrock.com/tracweb40/NoAccess.4sp?errText=insufficient%20credentials%20to%20view%20content

You can also find the link on our website: https://lss.ucsc.edu/index.html

Academic Dishonesty

Academic integrity is the cornerstone of a university education. Academic dishonesty diminishes the university as an institution and all members of the university community. It tarnishes the value of a UCSC degree. All members of the UCSC community have an explicit responsibility to foster an environment of trust, honesty, fairness, respect, and responsibility. All members of the university community are expected to present as their original work only that which is truly their own. All members of the community are expected to report observed instances of cheating, plagiarism, and other forms of academic dishonesty in order to ensure that the integrity of scholarship is valued and preserved at UCSC.

In the event a student is found in violation of the UCSC Academic Integrity policy, he or she may face both academic sanctions imposed by the instructor of record and disciplinary sanctions imposed either by the provost of his or her college or the Academic Tribunal convened to hear the case. Violations of the Academic Integrity policy can result in dismissal from the university and a permanent notation on a student’s transcript.

For the full policy and disciplinary procedures on academic dishonesty, students and instructors should refer to the Academic Integrity page at the Division of Undergraduate Education.

Title IX

The university cherishes the free and open exchange of ideas and enlargement of knowledge. To maintain this freedom and openness requires objectivity, mutual trust, and confidence; it requires the absence of coercion, intimidation, or exploitation. The principal responsibility for maintaining these conditions must rest upon those members of the university community who exercise most authority and leadership: faculty, managers, and supervisors.

The university has therefore instituted a number of measures designed to protect its community from sex discrimination, sexual harassment, sexual violence, and other related prohibited conduct. Information about the Title IX Office, the online reporting link, applicable campus resources, reporting responsibilities, the UC Policy on Sexual Violence and Sexual Harassment and the UC Santa Cruz Procedures for Reporting and Responding to Reports of Sexual Violence and Sexual Harassment can be found at titleix.ucsc.edu.
The Title IX Office is actively responding to reports and requests for consultation. If you are not currently working with someone in the office and want to make a report/request a consult, you can expect the fastest response by using our online reporting link.

For more information please visit the Title IX Operations under Covid-19 page.