

INSTRUCTOR: Dr. Ulrike Vorhauer

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Course Prerequisite: 3 hours of mathematics beyond MATH 22005 with a minimum grade of C (2.0).

Technical Requirement: You need laptop/computer with webcam. Ipad is ok for homework. But proctored exams can only be completed on a laptop or computer with webcam by Proctorio. You will be provided with detailed information on that.

Proctorio: Exams are required to be proctored via the internet-based proctoring service, Proctorio. You must have a webcam and microphone (internal or external) to take each exam. In addition, you must use Google Chrome to take the exam, install the Proctorio Chrome browser extension (at getproctorio.com), and show an official photo identification (ID). You can use either a valid driver's license, passport, or school ID. For more information on how to use Proctorio and for help and support, please visit <https://www.kent.edu/onlinelearning/proctoring>.

OFFICE HOURS: Mo, We, Fr: 9:00-10:00 pm, through blackboard collaborate, facetime, text or call. In person (to be announced and by appointment).

TEXTBOOKS: The History of Mathematics: An Introduction, 7th Edition, David Burton, Mc Graw-Hill, 2010, ISBN-13: 978-0073383156

CLASS WEBSITE (Blackboard): through <http://flashline.kent.edu>

OBJECTIVES OF THE COURSE: Students will:

- understand the growth of mathematical concepts as an evolutionary process
- strengthen math skills by working on problems in small groups
- understand the factors that stimulate or inhibit mathematical accomplishment
- perform certain math techniques of various earlier cultures

COURSE EMPHASIS: This course is a survey course of the history of mathematics. We will cover the origins of mathematics in Egypt and Mesopotamia (modern Irak), ancient Greek mathematics by Thales, Euclid, Pythagorean mathematics, then we will jump to mathematics in the Renaissance and the mathematics of the seventeenth century.

ASSIGNMENTS: You will receive a weekly homework assignment that includes that you read the textbook chapter that is covered. You will receive a homework assignment every Thursday which is due the following Thursday. It is very important

that you do not just copy from any source without at least proper citation! I expect that you formulate your assignments in your own words. Feel free to use online resources such as Wikipedia etc. but please indicate which sources you are using! You will have to write a paper that is due at the end of the semester.

GRADING: Your grade will be based on your assignments, quiz and test scores and your classroom performance. The distribution of points and due dates are as follows:

Homework: 30%
Project: 20%
Midterm: 25%
Final Exam: 25%

CHEATING AND PLAGIARISM: University policy 3342-3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism. None of these will be tolerated in this class. The sanctions provided in this policy will be used to deal with any violations. If you have any questions, please read the [policy](#) or ask me.

STUDENTS WITH DISABILITIES: University policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

REGISTRATION REQUIREMENT:

Every class has its own schedule of deadlines and considerations. To **view the add/drop schedule and other important dates** for this class, go to the Students Tools and Courses tab in FlashLine and choose either View or Print Student Schedule To see the deadlines for this course, click on the CRN or choose the Drop or Add a Course link and click on the green clock next to the course under Registration Deadlines visit <http://www.kent.edu/registrar/fall-important-dates>

DETAILS OF ASSIGNMENTS - tentative

PROBLEMS: You are expected to complete your assignments on your own. Write up full solutions with explanations. If you use any resources, your papers, homework etc. you have to include proper citation otherwise you will not get any credit for your assignment.

EXAMS:

Your exams will be proctored through Proctorio, a service provided through Kent State University free of charge. You will be able to take your exam at home on your computer via webcam. You can not be proctored on a chromebook nor an ipad.

The midterm exam will be available October 23, 9 am – October 24, 2019, 10:00 pm. The final exam will be Wednesday, December 11, 2019, 5-8 pm. You don't have to schedule your exam in advance. You just login, verify your identity etc. and can get started.

Project: You will have to complete one project related to the history of mathematics during the semester. For guidelines see the file project information. You will find all important information there. The due date of the project is Thursday, **November 21, 2019.**