Syllabus: Math 112 Section 02, Spring 2019

Instructor:	Matthew Lorentz
Office:	Keller 404 C
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Office Hours:	Mondays and Wednesdays 11:30-12:30, Tuesdays 2:00-3:00
Class Meeting:	Tu/Thu 10:30-11:45, Keller 301

Course Description and Goals: This class is a continuation of Math 111. The goals of this course are to help you continue to learn to think like a mathematician, to understand elementary mathematics more deeply, to gain facility with creating and using mathematical notation, and to become more comfortable exploring unfamiliar mathematical situations. Content will include algebraic thinking, decimals, geometry, and modeling with mathematics.

Course Management: Course announcements, schedule, materials, and information will be distributed via the course Laulima site.

Text: The course text (PDF files) is available at http://pressbooks-dev.oer.hawaii.edu/math111/.

There will be four chapters in all.

Module 1: Patterns and Algebraic Thinking
Module 2: Place Value and Decimals
Module 3: Geometry
Module 4: Modeling with Mathematics: Navigation on Hōkūleʻa

Grading Policy:

Homework	10%	Journal	10%
Attendance and Participation	10%	Each midterm	20%
Project	5%	Final Exam	25%

Final Grades: A: 90-100%, B: 80-89%, C: 70-79%. I reserve the right to alter this scheme at the end of the term, but only to your benefit.

Homework: Homework will be assigned about once per week, and will usually be an extension of class discussion. The purpose of the the homework is for you to review and push forward your mathematical understanding, but also your ability to communicate that understanding. Expect to be asked to explain your answers to the homework assignments. While the homework leads into class discussion, it still will be collected and graded. If at any time you are stuck or confused by a problem, ask someone (me or a classmate) for help!

Attendance and Participation: I expect you to attend every class and to participate in good faith. I expect you to be on time and prepared for class. While in class I expect you to behave professionally. You will often be asked to explain your solutions to problems, or to question or critique the solutions proposed by other students. This in-class work is a major part of the learning process, and will factor into your grade. More importantly, it will be impossible for you to succeed in this class if you do not attend regularly. This is not a self-study course.

Midterm exams: There will be two midterm exams, which will be take-home.

Final Exam: The final exam for the course is on **Thursday, May 9 from 9:45-11:45am**. By registering for this course, you are agreeing to show up for the designated final exam. **No late exams will be given for any reason.**

Journal: Each week, a small reflective writing assignment will be given. With some exceptions regarding midterms and the final, journals will be assigned Thursdays and Tuesdays before class. You can find the template and instructions here https://docs.google.com/document/d/12u2WZyylDMlwMEuZY51tlOWXwB_3WchpaP14c3lXMao/edit?usp=sharing

Project: Due at the end of the semester will be a project. The nature and specifics of the project will be determined by how far we get through the course material, what we ended up focusing on, and other factors that might specific to this particular class. You can expect to have ample time, but also fun, when completing the project.

Late Work Policy: I expect you to turn in all work on time. No late work will be accepted. No make-up tests will be given, except in the case of a documented medical or family emergency.

Getting Help: If you feel you are falling behind in class or not understanding the material, please come to office hours as soon as possible. It can be discouraging to fall behind, and it's difficult to get caught up if you let it go too long. I cannot possibly know how every student is feeling all the time, so it is up to you to reach out and ask for help when you need it.

If you are unable to come in person to my scheduled office hours, there are a few options:

- You can send email at any time with questions (the more specific the better), and I will respond as quickly as I can.
- You can ask for an appointment outside of my usual office hours. To do this, email me with three choices for times that you are available. I will pick one and let you know when to come.

Collaboration: You are free to consult each other, me, or anyone else on your homework as much as you want. In fact, you are encouraged to do so! Talking about mathematics with other people is one of the best ways to learn it. However, your write-ups must be your own and in your own words; copying is cheating. You will receive a zero on your first copied assignment, and any subsequent copying problems will be dealt with through the university.

Accessibility: Any student who feels s/he may need an accommodation based on the impact of a disability is invited to contact me privately. I would be happy to work with you, and the KOKUA Program (Office for Students with Disabilities) to ensure reasonable accommodations in my course. KOKUA can be reached at (808) 956-7511 or (808) 956-7612 (voice/text) in room 013 of the Queen Lili'uokalani Center for Student Services.