MATH F230S Spring 2017
Essential Calculus Skills Workshop Course Syllabus

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Office Hours: TBA.
If you have any questions about this course or concerns, please feel free to contact me.

Math Bridge Assistant: Samantha Warren Email: scwarren@alaska.edu
Her office is located in Eielson 302. If you have questions about attendance or study skills assignments you have turned in, please contact Kit.

Text: Calculus for Business, Economics, Life and Social Sciences, 13th edition by Barnett, Ziegler, and Byleen. (This is the text being used in your Math 230x course)

Materials: In addition to the course text, paper and pencil, students will also need to bring notes, questions, homework and graded work to class.

Course Description:
A group oriented and hands-on review of course specific topics. Emphasis will be placed on problem solving. Also included will be instruction on how to be successful in college-level mathematics courses.

Course Goals:
The main purpose of this course is to help students form good study habits and understand how to develop mathematical understanding. We will cover material needed to learn and understand Essential Calculus, (this course will include the content of MATH 230X and aid students in understanding this material). Students will also study mathematical notation, methods for solving equations, and problem-solving of real-world applications. Students will recognize that the structure of this course emphasizes mastery of all course material.

Student Learning Outcomes:

- Identify and find all solutions to equations and inequalities

- Graph functions and interpret graphs

- Understand the basic properties of functions

- Apply a variety of techniques to find solutions to equations

- Move between numerical, graphical and algebraic representations of functions

- Use mathematical concepts to solve applications

- Formulate methods for studying and reviewing mathematics

Evaluation/Grading:
This course is graded Pass/Fail. In order to receive a passing grade in this course, students must:

- Attend at least 90% of the meeting days (26 of 29)

- Complete and turn in 80% study skills assignments

- Must complete and turn in regular course grade checks

- Must actively participate in class discussions and activities (see below)

Students should understand that if they do not meet these criteria they may be withdrawn from the course. If a student is withdrawn from MATH 230S, they will also be withdrawn from Math 230X.

Instructional Methods:
This course is designed to help students succeed in their core MATH 230x course. In MATH 230S, students will spend the first 20 minutes of each Monday or Tuesday discussing study skills and student success strategies for mathematics. These assignments are due the following week at the beginning of class. The remainder of the sessions will include both discussion and problem solving (you will be graded on your participation in both). You will also be asked to submit grade checks regularly to ensure that you are keeping up with your math class. All work to be completed will be available on Blackboard and students will be able to view completion progress on Blackboard. Students should come to class with notes; graded and ungraded assignments; and questions.

Course Policies:
Students are required to attend class and participate daily. Participation includes, bringing at least one problem to work on the board, working with peers to solve problems, providing opinions/answers when called upon in discussions. Students should arrive on time and be prepared to work. Students are allowed to have at most 3 absences. Students will need to be able to work in groups and are strongly encouraged to ask questions.

Additional Support:
The UAF Math and Stat Lab: This free service can provide help on any problems within this course. For assistance you will need to go to Chapman 305. This is a drop in tutoring lab. You may go there to do homework or get specific questions answered. The lab will be open Monday-Friday 10am-8pm and Saturdays 12pm-6pm.

One-on-one tutoring: This free service is available to students in Eielson 302. If you need a little more time with a tutor than the lab allows you can schedule 30 minute or hour long appointments with a tutor. To sign up for a one-on-one tutoring appointment go to https:/1-1tutoring.youcanbook.me/

SSS (Student Support Services): This service also provides one-on-one tutoring to students who satisfy the requirements of the program. In addition to math tutoring, SSS provides advising,tutoring of all core subjects, laptop rentals and other services.

The Office of Disability Services: This service implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (208 WHIT, 474-5655) to provide reasonable accommodation to students with disabilities.

University and Department Policies: Your work in this course is governed by the UAF Honor code. The Department of Mathematics and Statistics has specific policies on incomplete grades, late withdrawals, and early final exams. A complete listing can be found at http://www.dms.uaf.edu/dms/Policies.html.