SEATTLE CENTRAL COMMUNITY COLLEGE
Division of Science and Math
Math 096
Foundations of Algebra II
Prerequisites Math 087 with 2.0 or better or placement exam
BE 4184, TTh 11 - 11:50 am

Instructor: Jerry Wright
Office: SAM 217, 206-934-4398
Office Hours: MWF 11:00-11:50, or by appointment
Email: jerry.wright@seattlecolleges.edu
Text: Elementary Algebra, A Modeling Approach by Katherine Yoshiwara (Not required)
Aleks Student Access Code: Purchase 11-week access code online at ALEKS website www.aleks.com, or at SCC bookstore
Other Materials: Composition book or notebook, 3-ring binder or a folder to keep handouts, pencil, eraser, reliable internet access, loose leaf paper

COURSE WEBSITE: www.seattlecentral.edu/faculty/jwright/math96

COURSE DESCRIPTION:
This is a bridge course between the Foundations of Algebra, Part 1 course (MATH 087) and our Intermediate Algebra course (MATH 098). It is designed for future STEM majors and those wishing to fulfill an Intermediate Algebra (MATH 098) prerequisite for transfer to a 4-year institution. This course covers basic polynomial math, square root math in one variable, solving quadratic equations, and graphing parabolas. Math 096 may be taken concurrently with Math087 for those pursuing a degree in a STEM field or intending to transfer to the University of Washington.

COURSE OBJECTIVES:
- To develop and improve your ability to reason algebraically
- To communicate your mathematical knowledge effectively
- To develop strong and effective math study habits
- To gain experience and confidence in solving math problems
- To learn to assess your own work, evaluate and monitor how you study and learn math, and learn how to adjust your study to increase comprehension and retention
- To work together to ensure the success of all class members

LEARNING OUTCOMES:
- Simplify polynomial expressions in one variable
- Factor polynomial expressions in one variable
- Simplify square root expressions in one variable
- Solve quadratic equations using factoring, extraction of roots, and the quadratic formula
- Graph a parabola
- Solve a variety of applications, displaying proper identification of the variables introduced, and attaching units where appropriate
- Communicate with proper use of correct mathematical terminology and notation
**COURSE STRUCTURE:**
This course, whether taken concurrently with Math 087 or taken as a stand-alone course, fulfills the prerequisites for Math 098. The course uses ALEKS instructional software to diagnose areas of conceptual knowledge that you need to work on in order to master the range of topics in the Learning outcomes listed above.

- Once gaining access to the course, you will complete an initial assessment of your math knowledge.
- Using the results of your assessment, ALEKS will create an individualized learning plan for you based on which topics you already know, which you don’t know, and which you are ready to learn. Your learning plan will guide you through the remaining topics necessary to complete Math 096. The goal is for you to spend the quarter learning and studying only those topics which you need to learn, not the ones that you have mastered.
- ALEKS will check your knowledge once you complete 20 topics and have been logged in a total of 5 hours, when you complete an objective, and when you have completed all the topics in your course. You may need to review topics again as you move towards completing your course material. It is important to do your best on your knowledge checks; ALEKS continues to refine your learning path based on your knowledge check understanding.
- Once you master all the topics in Math 096, you will review and take a final exam. You must pass your final exam with at least 75% to get credit for Math 096.

**CLASS SESSIONS:** **Math 096 is not an online course.** Class time is an excellent opportunity to get help when you are stuck on a topic. Class time will be spent on in-class participation activities, working on your own to complete the objectives, getting help from the instructor, or discussing mathematics with other students.

- It’s very important you arrive to class ON TIME because we will use the start of class for Class Activities (which are part of your grade).
- There is a classroom set of Chromebooks in the room. You can use one of the Chromebooks during class time, or you can bring your own mobile device.
- The FIRST thing you should do when you arrive to class is to log into the course homepage and look at the agenda for the day. Make sure you know what you need to submit, if anything. AFTER any class activities are complete and submitted, THEN you can begin working in ALEKS. If you are late to class, you should catch up with the activities BEFORE you begin ALEKS work.

**Guidelines for Class Sessions:**
- You should bring your Class Binder, pencils, erasers, and loose-leaf paper with you EVERY DAY to class.
- You may NOT use any calculators (including those on your phone) while working on ALEKS. You may only use the calculator in ALEKS when it is made available.
- If you put on headphones to listen to music, the level must be LOW enough so that others around you cannot hear it. If music can be heard coming from your ear buds, you will be asked to turn it off.
- NO FOOD OR DRINKS are allowed in the classroom. Please leave them outside the room and consume them there.
- If the instructor is busy helping someone else, please be patient. Ask other students for help when you can.
- If you miss a class session check the course website for any announcements and agenda activities to see what you missed.
CLASS BINDER: You are required to have a Class Binder, with labeled dividers for each section. The following sections are required (but you can have others for miscellaneous papers). This binder will be checked during the quarter for completeness and accuracy and should be brought to class EVERY DAY.

1. Course Forms
   a. Course Syllabus

2. Objectives Work
   a. All work from Topics and Objectives work in ALEKS
   b. A supply of blank paper for future work.

3. Class Activities & Goal Sheets
   a. Insert all handouts and activities from class into this section, sorted by date. Place a date on each page you insert so you can order them.

Math 096 EXAM: When you finish all the objectives you will take a course exam. The exam is 90 minutes so if you are ready for the exam before the end of the quarter you will need to see me to make arrangements for proctoring.

- You must pass the exam with 75% or higher to get credit for the course. If you do not pass with 75%, you can retake the exam once you have filled out an Exam Request Form and spent 4 verifiable hours studying for it. **If you do not pass the exam with at least 75%, your final grade for the course will be 1.8 or lower.**
- You must clearly show your work for each problem on loose leaf paper. Each problem should be numbered. BOX your final answer for each problem. It is important that you show your work clearly.
- At the top of the first page of your work, include your name and the name of your instructor.
- Exams can only be taken with an instructor present.
- During an exam, no phone can be on your desk or used to play music.
- You may not take an exam until you have mastered all the topics in the course.
- You may use ONE 3 inch by 5 inch note card with notes and formulas during the exam.

COURSE COMPONENTS:

- **Objectives (Working on your Objectives):** All work is done in ALEKS, working on and completing the Objectives that correspond the course.
- **Progress Goal (Mid-Quarter Mastery Goal):** You will get full credit for this grade if you have mastered AT LEAST half of the topics halfway through the quarter – **May 10, 2016.**
- **Exam:** There is a final exam for Math 096 which you will take on ALEKS. The final for this course is scheduled for Wednesday, June 15 from 10:30 am – 12:30 pm. There are additional options for taking your final exam which I will post on the course website close to the end of the quarter. If you complete all topics before the end of the quarter and have prepared for your final, please contact me through email to make arrangements to have your exam proctored outside of class time.
- **Learning Success:** There are a variety of assignments around goal setting, learning plans, study skills, etc. that you will complete the course. These are an important and central part of the course. They are here to HELP you, not to hold you back or use up your time. This includes activities in class as well as occasional assignments outside of class. You can only make up in class activities if you have a note from a doctor/lawyer or other legitimate source that documents the reason for your absence.
- **Reaching your Time Goal:** The most important things you will need to do to be successful in this course is to spend time working on ALEKS, with and without the help of the instructor and others enrolled in your class. Your participation, therefore, is necessary both in and outside of class. You will receive 10 Time points for each week (Monday 12:00 AM to Sunday 11:59 PM) that you complete 3 hours working in ALEKS.
GRADES:
Your grade will be based on the following:

- Working on your objectives: 10%
- Mid-Quarter Mastery Goal: 10%
- Final Exam: 60%
- Time in ALEKS (3 hours per/wk): 10%
- Learning Success Average: 10%

FINALS WEEK: During finals week, I will be in the classroom on Wednesday, June 15 from 10:30 -12:30 pm to administer your final exam. If you have already taken your exam prior to this date, you do not need to attend during this class period.

- If you do not pass the exam with at least 75%, your final grade for the course will be 1.8 or lower.
- Adjustments to your final course grade may be made at the discretion of the instructor.
- If you do not complete the course and do not officially withdraw from class according to the deadlines set by the college you will receive a grade of 0.0.

PLANNING YOUR TIME IN ALEKS:
Your success in ALEKS depends in part on your ability to manage and schedule your time, to get off to a strong start by setting clear, reasonable and achievable goals, and creating a plan and schedule for how to reach those goals. During the first two weeks of the quarter, classroom activities will support you in these efforts. As the quarter progresses, you will continue to monitor and assess your progress through short, in-class activities.

As a general rule, you should plan and commit to spend at least 3 hours each and every week (both in and outside of class) to working in ALEKS. The best way to establish the routines and habits that lead to success is to attend class each and every session and aim for and schedule an additional 1-2 hours per week outside of class for working in ALEKS. If you are unable to make these time commitments right from the start, this is not the right course for you! It is crucial to your success that you are able and committed to making a solid plan and scheduling time each week to work on ALEKS.

CLASSROOM ETIQUETTE:
We are a classroom community and every member of this classroom community shall be treated with respect and courtesy. Disorderly behavior or behavior that disrupts or obstructs teaching and/or learning will not be tolerated. Students who demonstrate an inability to abide by these rules, or who are academically dishonest will be referred to the Dean of Students.

CHEATING:
You are expected to conduct yourself with academic integrity at all times. Any of the following are considered cheating: copying another student’s work, looking at another student’s paper (or screen) during an exam, allowing another student to copy your work, searching on the internet for additional information during a quiz or exam, using a calculator when not allowed in ALEKS. In addition, a disciplinary report may be filed that becomes part of your permanent record.

IMPORTANT DATES
Apr 8: Last day to withdraw with 100% refund (less processing fee).
Apr 15: Last day to add or drop w/out W appearing on transcripts.
Apr 22: Last day to withdraw with 50% refund
May 27: Last day to withdraw (no refund)
May 30: HOLIDAY – Memorial Day
ACADEMIC SUPPORT INFORMATION:
Seek help whenever you feel that you need additional instruction or explanation.

- Ask for additional help during class time or see me during my office hour.
- Additional help is available in the SAM Learning Center in SAM 100, on the first floor of the Science and Math building.
- **Math Path:** Facilitated study Sessions for all ALEKS, Math 081, 087, 096, 091, 092 or 098 students are held M-F from 1-5 pm in SAM102 and SAM101. At least one faculty member is present most of the time, and tutors are there to help you. Computers are available so that you can work on ALEKS. The Math Path provides a positive, welcoming environment where you can work alone or with others to master your math. Watch a video about the Math Path at [http://vimeo.com/6712458](http://vimeo.com/6712458). This is a great place to take your quizzes or get help with topics that you may be stuck on.
- Please visit [http://seattlecentral.edu/learningsupportnetwork/](http://seattlecentral.edu/learningsupportnetwork/), SCCC’s Learning Support Network website, for information on the free learning resources that are available to you. Use any and all that you can!
- Help is also available for students who qualify through the Student Academic Assistance, Room 1102, sign up required and for all students through the BE Learning Center in BE 2103, appointment required. These services are free!
- One of the best things you can do to help yourself and others get through any math class is to form regular study groups with your classmates. See me for help in identifying classmates who are working on the same material that you are.

Students with documented disabilities requesting class accommodations, requiring special arrangements in case of building evacuation, or have emergency medical information the instructor should know about are asked to contact the disability support services office (DSS) in Rm. 1112. Once the disability is verified with DSS you will be given a letter of accommodation that should be handed to your instructor.

All-gender restroom facilities: For any students who need access there are two all gender, single-stall restrooms available on the 3rd floor of the Main Broadway Edison (BE) building. They are located down the Health and Services hallway, across from room 3216.

Adjustments or corrections to this syllabus may be made at the discretion of the instructor.