Hazard Community and Technical College Course Syllabus

MAT 85-47Z1 INTERMEDIATE ALGEBRA (1042) Summer 2019 Online Course

Instructor Contact Information

Instructor Name/Title: Jenny Lutes, Assistant Professor
Office Hours:
Online: Mondays, Tuesdays, and Thursdays 9:00-11:00 a.m. Please contact at the email address below.
Office Location: Online until 8/1/19
Phone Number: 606-487-3540
Email Address: jlutes0001@kctcs.edu

Course Information

Course Description
MAT 085: Includes rational expressions, radical expressions, rational exponents, graphing parabolas, inequalities, equations of lines, functions and applications, with emphasis on solving quadratic, rational, and radical equations.

Prerequisites
MAT 085: Placement by exam or completion of MAT 65 or 67.

Start Date: 6/3/19    Midterm/Last Date to Withdraw Without Instructor Permission: 6/17/19
Last Date to Withdraw with Instructor Approval: 6/26/19

Textbook Information and Supplies
1. Textbook is not required; online access to the e-textbook is available through Blackboard and www.xyzhomework.com.
2. Headphones are required and will allow you to listen to the video lectures.
3. A three ring binder, at least 1.5 inches.
4. Tabs for use in the notebook.
5. Notebook paper or scrap paper to work out problems on.

NOTICE: This course requires a proctored final exam. If you cannot take a proctored exam at a KCTCS testing center, then you should NOT take this course.

Student Learning Outcomes

Upon completion of MAT 085, the student can:

1. Write equations of lines from given data, verbal descriptions, and graphs.
2. Write the equation of a line parallel or perpendicular to a given line.
3. Solve absolute value equations.
4. Solve compound inequalities.
5. Solve and graph absolute value inequalities.
6. Graph linear inequalities in two variables.
7. Simplify rational expressions.
8. Add, subtract, multiply, and divide rational expressions.
9. Solve equations involving rational expressions.
10. Convert between radical and rational exponent form.
11. Simplify radicals.
12. Add, subtract, multiply, and divide radicals.
13. Solve equations involving radicals.
14. Solve quadratic equations with complex solutions using completing the square and the quadratic formula.
15. Graph parabolas by finding the vertex, finding the axis of symmetry, and plotting points.
16. Evaluate a function using function notation.
17. Determine whether a given correspondence or graph represents a function.
18. Determine the domain of a function.
19. Identify the range of a function.
20. Model and solve applications based on linear, quadratic, and exponential functions.

Assessment measure: Assessment will be in the form of regular quizzes, tests and homework.

**Course Structure, Evaluation, and Grading Methods**

This course is minimum paced, no lecture format which means you work as fast as you would like but must be completed at the minimum pace as listed on the schedule. See the course schedule for due dates. The nature of this work makes exact predictions of actual available points difficult, however, the grade from each of these categories will be weighted according to the schedule listed.

Gradebook Category:
Homework = 20%
3 Tests = 30%
Final Exam = 50%
Total 100%

Students completing the MAT 85 material must pass the final exam with a 70% to be able to move on to the next math class.

**Chapter Homework:** Each chapter consists of several sections with lecture and homework sets. For each section, you are required to watch a video (when available) and take notes. You will then use that information to do your homework. You are encouraged to ask for help through email or in the tutoring lab on your KCTCS campus if you have any trouble with the homework. You must score 90% on your homework before you can move on to the next assignment as appropriate. Homework is worth 20% of your grade.
Tests: Chapter tests are taken at the end of each chapter after you have watched all the videos, taken notes in your notebook, and completed all the homework with at least 90%. Chapter tests are worth 30% of your grade. You must score at least 70% on the chapter test to move on to the next chapter.

Final Exam: The final exam is worth 50% of your grade. You must successfully pass the final exam with 70% before you can pass the course. There will be multiple attempts on the exams if needed, meaning you can take them as many times as you need to earn that 70%. The final exam is a proctored exam, which means that you must take the final exam at a KCTCS testing center, preferably at the nearest KCTCS testing center to you. You must make an appointment to take your final exam at least one week prior to the exam time. Once you start your final exam, you are not allowed to leave your seat for any reason. If you leave your seat, you are in jeopardy of failing the class for cheating. If you need something during the exam, ask your proctor and someone will assist you.

Grading Policy/Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100-90</td>
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<tr>
<td>B</td>
<td>89-80</td>
</tr>
<tr>
<td>C</td>
<td>79-70</td>
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<tr>
<td>F</td>
<td>69-0</td>
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</tbody>
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The instructor reserves the right to assign a grade of “MP” in the event that the student is working hard and is showing real progress but is not prepared to move to the next level of math classes. “MP” does not affect your GPA. It may affect your financial aid if you are on a SAP appeal.

Class Policies/Procedures

Inclement Weather Class Policy/Procedure
During periods of inclement weather, HCTC will either open at 11:00 or be closed. On days that HCTC opens at 11:00 a.m., all courses scheduled BEFORE 11:00 a.m., will be canceled. Decisions regarding evening classes will be made by 4:00 p.m. Check local radio, TV stations, or the HCTC website for information.

General Class Make-up, Late Assignment Class Policy/Procedure
Students will have the entire semester to complete assignments. All assignments must be turned in before the student takes the final exam. All assignments must be turned in by May 3rd to allow for end of term grade processing.

Attendance Class Policy/Procedure
You are expected to regularly work on the online assignments. The instructor will check your course to see if you are regularly participating and keeping up with the assignments. If you have trouble with assignments of need help, you may email the instructor, or you may come to the tutoring lab on your local KCTCS campus to get help from a tutor.

Withdrawal Class Policy/Procedure
A student may officially withdraw from any class up to and including the date of mid-term with a W grade assigned to the student’s record. During the drop/add period, students can drop a class without a grade appearing on the student’s record. After the date of midterm and through the last class of the semester or session, any student may officially request to withdraw from a course and receive a W which may be given at the discretion of the instructor. Withdrawing requires that you go online to your Student Self-Service account and request to be withdrawn from the course.

**Accommodations Procedure**

HCTC recognizes that a disability may preclude a student from demonstrating required course competencies or from completing course requirements. In compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, any qualified student with disabilities may request appropriate course accommodations to ensure that full benefits are received and that the instructor is aware and can make the proper adjustments. Students are encouraged to meet with the Disability Services Representative to develop and complete an Accommodations Plan.

Julie Caudill, HCTC Disabilities Services Representative  
Phone: 606-487-3486 and Email: jcaudill0129@kctcs.edu

**Appeals Process**

Always begin the informal process by talking to your instructor. If issues cannot be resolved, then talk with the Dean/Supervisor (see below for contact information) of the faculty member. For information about academic rights, academic offenses, and the student’s formal right to appeal, review the KCTCS Code of Student Conduct.

**Dean/Supervisor Contact Information**

Dean/Supervisor: Leila Smith  
Phone Number: (606) 487-3504  
Office Location: Smith Admin Building, Room 101 A, Lees Campus  
Email Address: Leila.smith@kctcs.edu

**Student Services-Adult Basic Education Services / Supplemental Instruction:**

You can find out more about HCTC Student Services at: [https://hazard.kctcs.edu/currentstudents/student-services/index.aspx](https://hazard.kctcs.edu/currentstudents/student-services/index.aspx)  
Information about Adult Basic Education Services can be found at: [https://hazard.kctcs.edu/workforce-solutions/adult-education/index.aspx](https://hazard.kctcs.edu/workforce-solutions/adult-education/index.aspx)

**Developmental Course Emphasis:**

This course is a developmental course designed to give you the foundation that you will need to be successful in the subsequent math classes which you will take for degree completion. Because of the minimum paced nature of this course, you are allowed and encouraged to work faster than the minimum pace listed on the schedule. You can finish not only this course, but the subsequent developmental class(es) during this semester if you dedicate the time and effort to do so.

**Inside/Outside Classroom Interaction:**
Your instructor may or may not check email over the weekend. You can try to email the instructor over the weekend, but there is no guarantee that the instructor will read it before Monday. Normal turn-around time for email is 24-48 hours.

**Cell Phone Use:**
You are not to use wireless communication devices to assist with completing any assignments in this course. Calculators are not to be used (except the geometry chapter). When you take the proctored final exams, cell phones will not be allowed.

**Library Information:**
HCTC’s Library page can be found here: [https://hazard.kctcs.edu/current-students/studentresources/library/index.aspx](https://hazard.kctcs.edu/current-students/studentresources/library/index.aspx)

**Additional Syllabus Information:**
Review the HCTC Website: [from HCTC Website Click Current Students > Academic Resources > Syllabus Information]

**Print Version of URLs listed in the syllabus:**
Academic Calendar: [https://hazard.kctcs.edu/education-training/academic-calendar/index.aspx](https://hazard.kctcs.edu/education-training/academic-calendar/index.aspx)
HCTC Syllabus Website: [https://hazard.kctcs.edu/current-students/academic-resources/syllabus_information.aspx](https://hazard.kctcs.edu/current-students/academic-resources/syllabus_information.aspx)
Student Code of Conduct: [https://systemofficemig.kctcs.edu/media/academics/kctcs_code_of_student_conduct_1117.pdf](https://systemofficemig.kctcs.edu/media/academics/kctcs_code_of_student_conduct_1117.pdf)