Math 1314.004
Mathematics Department
Spring 2015
Syllabus – Subject to Change

A. COURSE INFORMATION

Course number/section: Math 1314.004
Class meeting time: MWF 12:00 – 12:50
Class location: IH268
Course Website: BlackBoard and MyLabsPlus: http://tamucc.mylabsplus.com

B. INSTRUCTOR INFORMATION

Instructor: Sheri Asbury, M.S.
Office location: CI351
Office hours: MWF 10:00-11:00 and MW 2:00-3:00
Telephone: 361-825-3265
e-mail: sheri.asbury@tamucc.edu
Appointments: If you need to schedule an appointment with me, please email me.

C. COURSE DESCRIPTION

Catalog Course Description
This course covers quadratic equations, inequalities, graphs, logarithms and exponentials, theory of polynomial equations, and systems of equations. This course counts as the mathematics component of the University Core Curriculum.

D. PREREQUISITES AND COREQUISITES

Prerequisites
A “C” or higher in Math 0300 or placement into College Algebra

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

Required Textbook/Software:
Pearson MyLabsPlus Student Access Kit is mandatory.

Optional Textbook(s) or Other References
College Algebra, 11th Edition by Margaret Lial, John Hornsby and David Schneider published by Pearson. The purchase of this book is optional because an eBook is located in the MyLabsPlus course framework.

Supplies
TI 83/84 Plus Graphing Calculator. Other calculators will not be supported by the instructor.
F. STUDENT LEARNING OUTCOMES AND ASSESSMENT

Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course’s student learning outcomes that describe what students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below. By collecting data and sharing it with students on how well they are accomplishing these learning outcomes students can more efficiently and effectively focus their learning efforts. This information can also help instructors identify challenging areas for students and adjust their teaching approach to facilitate learning.

Upon successful completion of this course, students will:
1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

Students will be shown models of solutions and will work independently and in groups to demonstrate mastery. Students will use MyLabsPlus independently to complete homework assignments. At the end of the semester, students will show competency by passing all assignments, quizzes, tests and the final exam with a score of 60% or better.

H. MAJOR COURSE REQUIREMENTS AND GRADING

The student learning outcomes described in Section F will be measured via progress on homework, quizzes, tests and the final exam. Every problem in the homework can be worked multiple times until a correct answer is achieved. There is no reason not to obtain a 100 on every homework assignment. Doing so will strengthen your performance on quizzes and tests. The homework will be open all semester. It is strongly recommended that you complete the homework for a chapter prior to the chapter test. The final exam is comprehensive and is written by the Mathematics Department. All students will take a common final exam. I do expect you to remember all concepts that I teach as noted on this syllabus.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>Quizzes/Tests</td>
<td>55%</td>
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<td>Final Exam</td>
<td>25%</td>
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I. COURSE CONTENT/SCHEDULE (Tentative)

<table>
<thead>
<tr>
<th>DATE (BY DAY OR WEEK)</th>
<th>TOPIC</th>
<th>CHAPTER(S)</th>
<th>ASSIGNMENTS In MLP</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Prior Knowledge Review Equations and Inequalities</td>
<td>Review Chapter 1</td>
<td>Review Exercise Sections 1.1 – 1.8</td>
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<tr>
<td>Week 2</td>
<td>Graphs and Functions Exam 1 over Chapter 2</td>
<td>Chapter 2</td>
<td>Sections 2.3, 24, 2.5, 2.6, 2.7, 2.8</td>
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<td>Week 3</td>
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<td>Week 4</td>
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<td>Week 5</td>
<td>Polynomial and Rational Functions Exam 2 over Chapter 3</td>
<td>Chapter 3</td>
<td>Sections 3.1, 3.2, 3.3, 3.4, 3.5</td>
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<td>Week 6</td>
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<td>Week 7</td>
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<td>Week 8</td>
<td>Inverse, Exponential and Logarithmic Functions Exam 3 over Chapter 4</td>
<td>Chapter 4</td>
<td>Sections 4.1, 4.2, 4.3, 4.4, 4.5, 4.6</td>
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<td>Week 9 Spring Break</td>
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<td>Week 10</td>
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<td>Week 11</td>
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<td>Week 12</td>
<td>Systems and Matrices Exam 4 over Chapter 5</td>
<td>Chapter 5</td>
<td>Sections 5.1, 5.2, 5.3, 5.7, 5.8</td>
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<td>Week 13</td>
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<td>Week 14</td>
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<td>Week 15</td>
<td>Catch Up Week</td>
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<td>Week 16</td>
<td>Final Exam</td>
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Last Day to Drop: Friday, April 10th

Final Exam: Friday, May 8th from 2:00 – 4:30 PM Tentative

Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

J. COURSE POLICIES

Attendance/Tardiness
There are no excused absences. If you miss a day, please contact another class member to determine what you missed. Even if you miss, you are responsible for what was covered. There will be no excuses for not knowing what is discussed or requested during class.

Late Work and Make-up Exams
I do not allow make up on missed exams. You will receive a zero for any missed exam. Plan carefully. One exam will be dropped at the end of the semester.
Extra Credit
I do not offer extra credit. You are provided with the assignments and must use your time wisely.

Cell Phone Use
Cell phones must not be visible during class – period. If I ask you to use your cell phone, then you may have it out. You need to be paying attention to me and not your phone.

Laptop Use
Laptops are not permitted in class unless you gain permission from me first.

Food in Class
If need be, you may bring a lite snack or drink to class. Please be discrete when eating in class.

Participation
Participation in class discussions and group work is mandatory.

K. COLLEGE AND UNIVERSITY POLICIES

- **Academic Integrity (University)**
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior.
  See Full University Policy at http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity

- **Classroom/Professional Behavior**
  Students and faculty each have a responsibility for maintaining an appropriate learning environment. Faculty has the professional responsibility to treat students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which students express opinions. Disruptive students in the academic setting hinder the educational process. Disruption, as applied to the academic setting, means behavior that a reasonable University employee would view as interfering with normal academic functions. Examples include, but are not limited to, persistently speaking without being recognized or interrupting other speakers, behavior which distracts the class from the subject matter or discussion, or in extreme cases, physical threats, harassing behavior or refusal to comply with faculty direction. Students are expected to refrain from disruptive behavior at all times. Students who fail to adhere to behavioral standards may be subject to disciplinary action. Reports involving classroom conduct are to be
submitted to the Office of Judicial Affairs for review and appropriate action. This document is information can be found on page 101 of the Student Handbook http://studentaffairs.tamucc.edu/handbook.html.

- **Deadline for Dropping a Course with a Grade of W (University)**
  The grade of W will be assigned to any student officially dropping a course by Friday, April 10, 2015. No student is eligible to receive a W without completing the official drop process by this deadline. Visit the Office of the University Registrar for the Course Drop Form that must be submitted. After April 10, 2015 a student will not be allowed to drop a course.

- **Grade Appeals (College of Science and Engineering)**
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science and Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

- **Disability Services**
  Disability Services (DS) is the hub for coordinating services and accommodations to ensure accessibility and utilization of all programs for all Texas A&M University-Corpus Christi students with disabilities. Our services are designed to meet the unique educational needs of enrolled students with documented permanent or temporary disabilities. DS provides intake and consultation services to students seeking to register with our office. DS reviews an individual’s documentation of disability and assesses eligibility for services and the determination of reasonable accommodations. For more information visit the Disability Services Office at 116 Corpus Christi Hall or go to http://disabilityservices.tamucc.edu/

**GENERAL DISCLAIMER**

I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.