I. COURSE INFORMATION

Instructor: Dr. Paula Kenney-Wallace
E-MAIL: Paula.Kenney-Wallace@tamucc.edu
Office Address: EN 314D
Phone: TBD
Office hours: TBD
Class Meetings: MWF 11 – 11:50 AM

II. COURSE DESCRIPTION

A more rapid treatment of the material in MATH 1314 (College Algebra) and MATH 1316 (Trigonometry), this course is designed for students who wish a review of the above material, or who are well prepared. Functions, graphs, trigonometry, and analytic geometry.

III. PREREQUISITES

MATH 1314 or placement into MATH 2312

IV. TEXT AND OTHER SUPPLIES REQUIRED

The textbook for the course is Lial, Precalculus, 4th edition. You do need MyMathLab (sometimes called MyLabsPlus) access that should have come bundled with the book or can be bought as a standalone access card. Through the internet homework system you get access to the .pdf files for the textbook, but at the end of the semester this access ceases. Some students have managed to work with just the online materials; it is your call whether you want to buy the book. A graphing calculator is required for this class. I will support the TI-83/84Plus, but in general you can use any graphing calculator. Any class demonstrations will be done with a TI-83. The homework is in MyLabsPlus, found at http://tamucc.mylabsplus.com/. To register you need the MyLabsPlus access card that was bundled with the book. You may print out the online homework, but don’t have to do so.

V. STUDENT LEARNING OUTCOMES

At the end of the course the student should be able to:
1. Work with some basic concepts:
- multiply and factor polynomials
- work with rational expressions
- simplify rational exponents
- rationalize fractions
2. Solve equations and inequalities:
- solve linear equations
- solve quadratic equations
- determine and graph the solution set of an inequality
- solve absolute value equations
- solve exponential and logarithmic equations
- solve trigonometric equations
- solve systems of linear equations
3. Graph functions and circles
- graph circles whose equation needs to be simplified first
- determine whether a given graph is the graph of a function
- graph linear functions
- recognize the graphs of some basic functions
- use graphing techniques, such as shifts and stretches
- determine from a polynomial how its graph will look
- find axis-intersects for polynomials
- be able to graph trigonometric functions and their translations
4. Work with inverse functions and polynomials
- determine from the graph of a function whether it has an inverse
- check whether two functions are inverses of each other
- find the equation of the inverse of a function
- use continuous compounding and exponential functions
- use logarithms as inverse functions of exponential functions
- simplify logarithmic expressions
- graph and find values for the inverse circular functions
5. Have a solid base in trigonometry
- convert between degrees and radians
- know the values of the basic trig functions for special angles
- solve right triangles
- use the circular functions to find coordinates of points on the unit circle
- have the fundamental trigonometric identities memorized
- be able to verify trigonometric identities
- simplify trig expressions using the double angle identities

VI. INSTRUCTIONAL METHODS AND ACTIVITIES

Methods and activities for instruction include: Lectures, calculator demonstrations and group activities.

VII. EVALUATION AND GRADE ASSIGNMENT

The methods of evaluation and the criteria for grade assignments are: Homework through MyMathLab will be assigned every class and is due at the start of the next class.
At the start of each class I will answer homework questions for at most 10 minutes. Office hours are a great opportunity to ask more questions about homework. On-campus free tutoring in the CASA is another way of getting help with the homework. Late homework receives no credit. The weekly quizzes are given online. You can take them anytime between midnight and midnight of the Monday of the quiz and you have two attempts to do each quiz. The quizzes are similar to the homework but have no help options available. Of course you may not get any help with the quizzes. Missed quizzes can not be made up, but the lowest two quizzes get dropped. The lowest three homework grades get dropped. No exam grades get dropped. Calculator policies and partial credit: For the quizzes, the exams and the final exam calculators are permitted. The exams do have partial credit, the online quizzes do not have partial credit.

The weights of the different parts of the course towards the final grade are:

Three exams 50%
Homework 10%
Best 12 Quizzes 15%
Comprehensive Final Exam 25%

Grading Scale: Grades will be no stricter than
A = 90.00 – 100%
B = 80.00 – 89.99%
C = 70.00 – 79.99%
D = 60.00 – 69.99%
F = below 60%

VIII. TENTATIVE COURSE SCHEDULE

<table>
<thead>
<tr>
<th>#</th>
<th>Date</th>
<th>Quiz</th>
<th>Sections</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>W 8/27</td>
<td></td>
<td>1.1</td>
<td>Linear Equations</td>
</tr>
<tr>
<td>2</td>
<td>F 8/29</td>
<td></td>
<td>1.4</td>
<td>Quadratic Equations</td>
</tr>
<tr>
<td>3</td>
<td>W 9/03</td>
<td>Quiz 1: 1.1</td>
<td>1.7</td>
<td>Inequalities</td>
</tr>
<tr>
<td>4</td>
<td>F 9/05</td>
<td></td>
<td>1.8</td>
<td>Absolute Value Equations and Inequalities</td>
</tr>
<tr>
<td>5</td>
<td>M 9/08</td>
<td></td>
<td>2.1, 2.2</td>
<td>Rectangular Coordinates and Graphs, Circles</td>
</tr>
<tr>
<td>6</td>
<td>W 9/10</td>
<td>Quiz 2: 1.4{1.8</td>
<td>2.3</td>
<td>Functions</td>
</tr>
<tr>
<td>7</td>
<td>F 9/12</td>
<td></td>
<td>2.4</td>
<td>Linear Functions</td>
</tr>
<tr>
<td>8</td>
<td>M 9/15</td>
<td></td>
<td>2.6</td>
<td>Graphs of Basic Functions</td>
</tr>
<tr>
<td>9</td>
<td>W 9/17</td>
<td>Quiz 3, 2.1{2.4</td>
<td>2.7</td>
<td>Graphing Techniques</td>
</tr>
<tr>
<td>10</td>
<td>F 9/19</td>
<td></td>
<td>2.8</td>
<td>Function Operations and Composition</td>
</tr>
<tr>
<td>11</td>
<td>M 9/22</td>
<td></td>
<td>3.1</td>
<td>Quadratic Functions</td>
</tr>
<tr>
<td>12</td>
<td>W 9/24</td>
<td>Quiz 4: 2.6{2.8</td>
<td>3.2</td>
<td>Synthetic Division</td>
</tr>
<tr>
<td>13</td>
<td>F 9/26</td>
<td></td>
<td>3.3</td>
<td>Zeros of Polynomials</td>
</tr>
<tr>
<td>14</td>
<td>M 9/29</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>W 10/01</td>
<td>Quiz 5: 3.1{3.3</td>
<td>3.4</td>
<td>Graphs of Polynomial Functions</td>
</tr>
<tr>
<td>16</td>
<td>F 10/03</td>
<td></td>
<td>3.5</td>
<td>Rational Functions</td>
</tr>
<tr>
<td>17</td>
<td>M 10/06</td>
<td></td>
<td>4.1</td>
<td>Inverse Functions</td>
</tr>
<tr>
<td>18</td>
<td>W 10/08</td>
<td>Quiz 6: 3.4, 3.5</td>
<td>4.2</td>
<td>Exponential Functions</td>
</tr>
<tr>
<td>19</td>
<td>F 10/10</td>
<td></td>
<td>4.3</td>
<td>Logarithmic Functions</td>
</tr>
<tr>
<td>20</td>
<td>M 10/13</td>
<td></td>
<td>4.4</td>
<td>Evaluating Logarithms</td>
</tr>
</tbody>
</table>
The comprehensive Final Exam is according to the university final exam schedule in the usual classroom.

**IX. CLASS POLICIES**

Attendance will be taken each class. For most students attending class is a faster way of learning the material than trying to catch up on missed material solely from the book. Tardiness is often disruptive to the whole class and is not appreciated. If you are delayed and arrive late for class please do so quietly. Cell phones and such must be turned off before class. Each time your phone rings during class, your course grade goes down by 1%.

If you have to miss an exam, it is your responsibility to contact me **no later than the day of the exam.** At most one make-up exam will be scheduled for each exam. Make-up exams tend to be harder than the original exam. Failure to contact me on or before the exam day results in a grade of zero points for the exam. This also applies to the final exam. For missed final exams due to an acceptable excuse the university rules about I (Incomplete) grades apply and the make-up is at the instructor’s convenience early in the next long semester. Only extreme emergencies or official university business are acceptable reasons to miss exams and documentation will be required. Car trouble, routine doctor’s appointments, family reunions or graduations of siblings etc. are not valid reasons to miss exams. If your reason to miss the exam is not a valid
one, your exam score is 0 points. Be sure to check before missing an exam whether your reason is acceptable. Missed homework or quizzes cannot be made up; the drop grades accommodate those.

**Academic Integrity/Plagiarism:**

University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in as defined by the following:

1. Students caught cheating on tests are subject to dismissal from the class and possibly the university.
2. Students caught using notes or other aids on tests will receive a zero for that test that would be part of their average for the course.

Violations of academic honesty will be processed under the Procedure for Academic Misconduct Cases 13.02.99.C3.01 (see [http://ses.tamucc.edu/grievances.html](http://ses.tamucc.edu/grievances.html) and the Student Code of Conduct [http://judicialaffairs.tamucc.edu/assets/2013-2014StudentHandbook.pdf](http://judicialaffairs.tamucc.edu/assets/2013-2014StudentHandbook.pdf)).

**Dropping a Class:**

I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Friday, November 7th is the last day to drop a class with an automatic grade of “W” this term.

**Responsibility:**

1. You are responsible for obtaining required supplies and bringing them to class.
2. You are responsible for organizing your time so that you can study at least 1 hour each day outside of class.
3. You are responsible for any assigned homework, writings or goal setting.
4. You are responsible for your actions during class and for keeping the learning environment quiet so others can complete their work.
5. You are responsible for your own learning, therefore, you should come prepared with questions you need answered. Keep up with what you need to do and set appropriate goals for yourself.
6. Work outside of class on homework. Tests must be taken in class with instructor present.
Classroom/professional behavior:

Texas A&M University–Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

Statement of Academic Continuity:

In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

X. Notice to Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Corpus Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

XI. Grade Appeal Process

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 (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.

XII. Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, August 27</td>
<td>Classes begin</td>
</tr>
<tr>
<td>Monday, September 1</td>
<td>Labor Day Holiday</td>
</tr>
<tr>
<td>Friday, November 7</td>
<td>Last day to drop a class</td>
</tr>
<tr>
<td>Thursday-Friday November 27-28</td>
<td>Thanksgiving Holidays</td>
</tr>
<tr>
<td>December 4th – December 10th</td>
<td>Finals (Your finals time is the last time to finish modules)</td>
</tr>
</tbody>
</table>
