Intermediate Algebra
0300
Department of Mathematics and statistics
Summer I 2015

A. COURSE INFORMATION
   Course number/section: 0300 Section 001
   Class meeting time: MTWTR: 2-3:53
   Class location: CI-223
   Course Website: bb9.tamucc.edu

B. INSTRUCTOR INFORMATION
   Instructor: Archana Krishnagiri
   Office location: CI 351
   Office hours: MTW: 12-1:30
   Telephone: 361-825-2430
   e-mail: archana.krishnagiri@tamucc.edu
   Appointments: By e-mail

C. COURSE DESCRIPTION
   Catalog Course Description
   The course is designed for students needing an extensive review of mathematics to prepare
   them for state & campus standards and/or higher mathematics courses. The course covers
   number concepts, computation, various algebra topics, geometry, and mathematical
   reasoning. This course does not count towards credit for graduation.

D. PREREQUISITES AND COREQUISITES
   Placement in to the course.

REQUIRED TEXT
   The textbook for the class is Developmental Mathematics, by Elayn Martin-Gay (which is
   optional) and MyLabsPlus student access code (required on the first day of class). You will
   need to purchase it separately at the bookstore or log on to www.tamucc.mylabsplus.com and
   purchase it online the first day of school.
   In addition, you will need a pencil with eraser, notebook paper, a folder or binder, headphones
   and a four-function calculator.

E. BOOK(S), READINGS AND SUPPLIES
F. STUDENT LEARNING OUTCOMES AND ASSESSMENT

By the end of the semester, the student will be able to show mastery for the following by passing post tests:
1. Perform basic operations with numbers and expressions and understand the properties related to real numbers
2. Round whole numbers and decimal numbers to a given place-value and convert between decimal numbers, fractions and percent’s
3. Evaluate formulas containing numbers and variables using order of operation
4. Use function notation and identify domain and range given a relation or function.

5. Simplify algebraic expressions containing monomial, binomial, or polynomial expressions, rational and radical expressions and complex fractions.
6. Use properties of exponents to interpret and simplify integral and rational exponents
7. Convert between scientific and standard notation and use scientific notation in solving word problems
8. Factor numbers and algebraic expressions (radicals, monomials, binomials and polynomials) includes finding a GCF or LCM
9. Perform basic operations (add, subtract, multiply and divide) with monomials, binomials, polynomials, and rational & radical expressions including rationalizing denominators
10. Solve equations and inequalities of various types (linear, absolute value, rational, radical, and quadratic as well as linear systems) and report in various ways including graphs, sets, or interval notation.
11. Translate word problems and write models in the form of equations or inequalities
12. Solve word problems (percent, consecutive number, work, age, uniform motion, mixture, geometric, and financial) using a variety of techniques.
13. Determine the measure of angles or sides for plane figures and relate parallel line properties and characteristics of plane figures to similar and congruent figures
14. Convert metric and customary measurement (length, mass and capacity)
15. Read charts and graphs and use the information to solve problems
16. Name and graph points in a plane or number line and name x- & y-intercepts for linear or nonlinear graphs or equations (including the vertex of a parabola)
17. Recognize, write equations and inequalities for vertical, horizontal and sloped lines and graph
18. Find the slope of a line give two points, a graph or an equation for the line.
19. Write equations and inequalities given a graph, two points or the slope and a point using point-slope, slope-intercept or standard form.
20. Compare slopes and write equations with parallel or perpendicular lines given an equation and a point or a slope and a point.
INSTRUCTIONAL METHODS AND ACTIVITIES

This course is a self-paced developmental math course designed to use computer assisted instruction (MY Labs Plus) to remediate math deficiencies for students who lack college readiness skills. Students will first take a pretest for a module. The student will then do the homework (100% needed) and take the practice and posttests. Students are encouraged to watch any assigned media and work with the tutors and instructor during and outside of class to remediate problem areas. When the homework is completed, the student must take the practice test to evaluate if there is need for more instruction (made less than 85%). The student will then work in the study plan to gain needed skills. Finally, the student will take the post test for that module on completion of remediation. These post tests must be taken without notes. Students must score at least a 70 on each posttest to move on to the next module. Students will turn in a summary sheet after each posttest showing points awarded for homework, notebook and attendance.

G. MAJOR COURSE REQUIREMENTS AND GRADING

- 80% Post test grades (always taken at the college and always proctored)
- 10% Attendance
- 10% Participation includes homework, media, and notebook grades

Students must complete Review 1,2,3 plus modules 7-12 to receive a passing grade for M0300 otherwise a grade of DIP (Developmental In Progress) will be given.

Grading scale: DA = 90% or more DB = 80% - 89% DC = 70% - 79%

The D in front of the grade stands for Developmental A, B or C.

If a student completes modules 7-12 with a passing grade, they will be placed in College algebra and no longer be THEA liable. If a student stops attending before the drop date, a grade of SA will be given and those reports go to the financial office.

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.

H. COURSE POLICIES

Attendance:

1. I expect each student to attend all classes. Attendance is mandatory by Texas A&M University. Please save absences for emergencies.
2. If you are more than 15 minutes tardy you are considered absent.
3. If you exceed 4 unexcused absences*, you will fail the class**.
4. Cell phone must be turned off. Smart phones, laptops, or any form of a new technology device is NOT allowed in the classroom during lecture and exam.
5. No Make-up for final test

*All absences are considered unexcused unless a written excuse or documentation is presented.

**Appeals are possible only if documentation (doctor notes, receipts etc) in written form is made available to me in a timely manner and accepted.
Late Work and Make-up Exams
NO MAKEUPS WILL BE GIVEN FOR HOMEWORK OR QUIZZES.

No Make-up for final test

Extra Credit
NONE

Cell Phone Use
Cell phone must be turned off

I. 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

• 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, June 19, 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 submitted. After June 19, 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.