Instructor: Dr. E. DeLaVina   Office hours: Mon & Wed 10:30 – 11:30
Email: delavinae@uhd.edu   Office: S-712
Course webpage: http://cms.uhd.edu/faculty/delavinae   Phone: 713 226 5241

MATH 1300 SYLLABUS

Course: MATH 1300 (Intermediate Algebra)

Prerequisite: A grade of "C" or better in MATH 0300 or placement by exam taken at UH-Downtown. If you do not meet this prerequisite, you may be dropped from the course without prior notification at your own expense. Please see your instructor immediately if you do not meet this prerequisite, so you can be enrolled in MATH 0300.

Textbook (a copy will be loaned to you): *Beginning and Intermediate Algebra an Integrated Approach*, 5th edition, by R. David Gustafson and Peter D. Frisk, Brooks/Cole Publishing Company, Pacific Grove, California, 2008.

Why You Are in this Course: Like many students at UHD, your placement test results indicate that your arithmetic and algebra skills are not sufficiently developed for you to pass one of the core college level mathematics courses required of all students at UHD (these core courses are MATH 1301 or MATH 1310). MATH 1300 is a developmental course intended to help build your mathematical skills up to the college level. If you feel that the material in MATH 1300 is too advanced for you and you were misplaced, please see your instructor immediately, so you can be enrolled in MATH 0300. Remember, it is better to drop back than drop out.

Where to Find Help:
- Dr. DeLaVina's office hours 10:30 – 11:30 Mon & Wed (712-S).
- The Math Lab in the Academic Support Center (925-N) where you may get additional tutoring for understanding concepts or improving their skills. The Center is staffed with mathematics faculty and student assistants, and offers tutorial help, videotapes, calculators, and computer access on a walk-in basis. The Math Lab maintains extensive hours which are published each semester. You are encouraged to visit the Math Lab throughout the semester whenever you feel you have time to work there, no appointment required. It is also an excellent place to study the textbook and work on homework problems, so that you can receive immediate answers to your questions as necessary. The CD that comes with text also contains video instruction corresponding to examples in the text, as well as practice quizzes and chapter tests. A copy of this CD is available in the Math Lab for use in the lab or for check out from the front desk.

Goals/Objectives: At the completion of this course, a student should be able to: (1) simplify radical expressions; (2) simplify algebraic expressions, in particular rational expressions; (3) combine like powers for rational exponents; (4) rewrite rational powers as radicals and vice versa; (5) solve equations containing rational expressions and identify extraneous solutions; (6) solve equations containing radicals and identify extraneous solutions; (7) factor binomials and trinomials using standard techniques; (8) use the Zero Factor Theorem to solve equations; (9) solve quadratic equations by extraction of roots, completing the square and the Quadratic Formula; (10) plot points and determine the coordinates of points in the cartesian coordinate system; (11) graph a line and understand that points represent solutions to an equation; (12) find the slope of a line from two points on the line; (13) find the midpoint and distance between two points in the plane by using the appropriate formulas; (14) solve a system of equations in two variables using both graphical and algebraic means; (15) solve various meaningful application problems.

Homework

All homework must be completed online at http://www.webassign.net.
When you initially register you will need the Class Key: **uhd 0004 2051** .
You must check this regularly for due dates on assignments as they are made available, for instance the first assignment is due on Jan the 29th at 1:00 p.m.

Tests will be announced at least one week prior to the date administered.

Class attendance/Make-ups.

Good attendance is crucial in college. I will take attendance beginning the 3rd week of classes. **MATH 1300 UHD attendance policy:** An attendance policy is enforced for this course. See the separate sheet <u>MATH 1300 Attendance Policy</u> for details.

- *Any missed grades will be recorded as zeros.* Make-up tests will not be given in this course. If you miss a test, that grade will be replaced by your final exam grade **only if** you notify me as soon as possible if you miss a test or know in advance that you will miss a test. If you do not notify me *promptly* with an *appropriate excuse*, you will receive a 0 for the test.

- *Test grade replacement policy:* If you have at least 70%, on your homework, then your final exam grade (if better) will replace your lowest test grade. Note if you miss a test and have an excuse then this replacement happens in any case.

- No late assignments accepted, no make-ups on quizzes, but note that before I compute your homework/quiz average I will drop your lowest 2.

- Whenever you miss a class, it is your responsibility to check on the announcements in WebAssign for what material was covered, what assignments were made, if any, and the due dates.

Grade composition.
3 tests   16 % each
Online HW & quizzes   16 %
Final Exam   36 % each

Grading Policy: The final exam for this course is comprehensive and counts 1/3 of your course average. Since MATH 1300 is considered a pre-college course, this grade will appear on your transcript but will not be calculated into your GPA.

final course average	Letter grade
90-100	"A"
80-89	"B"
70-79	"C"
0-69	"IP" [not a passing grade]

The following cases are exceptions:
1. If your final exam score is less than 50, you will receive a "U" or "IP" for the course regardless of your average.
2. If you violate the MATH 1300 Attendance Policy (see item below), you will receive a "U" for the course regardless of your average.
3. If you are attending class but are not making a genuine effort to pass (as evidenced by not handing in assignments, not participating in class, not seeking help outside of class, etc.), you will receive an "F" for the course regardless of your average.
4. You may only receive a W for this course if you (a) withdraw from the university, or (b) withdraw from all but your reading or English courses.

You cannot receive the grade "I"-Incomplete unless you have a documented personal emergency that prevents you from completing the last fraction of the course, such as the last test and/or the final exam. You must have a passing average based on the work you have already completed to receive an "I."

Calculator Policy: Students are allowed to use <u>scientific</u> calculators on the final exam, although no problem on the final exam requires the use of a calculator. Students possessing <u>graphing</u> calculators may not use the advanced features of a graphing calculator on the final exam. Your instructor will give you more information about the use of calculators in your class.

Excess Course Attempts: In accordance with state law, effective Fall 2004 the University of Houston-Downtown is charging an additional fee for each credit hour for enrollment in a developmental course, after 18 hours of developmental work has already been attempted. Once 18 attempted hours of developmental course work has been accumulated, registration in a developmental course will result in the additional charge. An attempt is defined as an enrollment that results in a letter grade (including "S", "U", "IP", and "W"). A developmental course is defined as MATH 0300, MATH 1300, ENG 1300, ENG 130A, and RDG 1300.

Statement on Reasonable Accommodations: UHD adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. Students with disabilities should register with Disabled Student Services (409-S) and contact the instructor in a timely manner to arrange for appropriate accommodations.

Satisfactory Progress Policy: Students are required to demonstrate satisfactory progress toward completing their developmental course requirements. MATH 1300 is a developmental course. See the separate sheet Satisfactory Progress Policy for Developmental Courses for details.

General University Policy: All students are subject to UHD Academic Honesty Policy and to all other university-wide policies and procedures as they are set forth in the UHD University Catalog and Student Handbook.

Course Content: The course covers the following sections of the textbook. In some cases, not all pages from a section are covered.

Chapters	Sections
Chapter 5	5.1 Factoring Out the Greatest Common Factor; Factoring by Grouping 5.2 Factoring the Difference of Two Squares 5.3 Factoring Trinomials with Lead Coefficients of 1 5.4 Factoring General Trinomials 5.6 Summary of Factoring Techniques 5.7 Solving Equations by Factoring 5.8 Problem Solving
Chapter 6	6.1 Simplifying fractions 6.2 Multiplying and dividing fractions 6.3 Adding and subtracting fractions 6.4 Complex fractions 6.5 Solving equations that contain fractions 6.7 Ratios 6.8 Proportions and similar triangles
Chapter 9	9.1 Radical expressions 9.2 Applications of radicals 9.3 Rational exponents 9.4 Simplifying and combining radical expressions 9.5 Multiplying and dividing radical expressions 9.6 Radical equations
Chapter 10	10.2 Solving Quadratic Equations by the Quadratic Formula
Chapter 8	8.1 A review of the rectangular coordinate system 8.2 Slope of a nonvertical line
Chapter 3	3.3 Solving systems of equations by graphing 3.4 Solving systems of equations by substitution 3.5 Solving systems of equations by addition 3.6 Applications of systems of equations

Tips for Becoming a Successful College Student:
1. Come to class.
2. Read your book.
3. Do your homework.
4. Listen and ask questions.

5. Contribute to classroom discussions.
6. Interact with your teachers, either face to face or using the phone or email.
7. Form study groups with your classmates.
8. Meet with your advisor.
9. Get involved in campus activities.
10. Share new ideas with your friends and family.

VISIT THE UHD ALGEBRA STUDENT WEB PAGE FOR MORE INFORMATION:

http://cms.dt.uh.edu/qep/algebra

SATISFACTORY PROGRESS POLICY FOR DEVELOPMENTAL COURSES
(Math 0300, Math 1300, Eng 1300, Eng 130A, Rdg 1300)   *Effective Fall 2005*

- **PLACED ON ACADEMIC NOTICE (AN)**
    o If you receive an IP (In Progress) in this course
        ▪ You may enroll in a maximum of 12 semester credit hours the next semester
        ▪ You must re-enroll in the same course until satisfactorily passed

    o If you receive two or more IP's in the same semester in different courses
        ▪ You may enroll in a maximum of 9 semester credit hours the next semester
        ▪ You must re-enroll in the same courses until satisfactorily passed

- **PLACED ON DEVELOPMENTAL PROBATION (DP)**
    o If you receive an F in this course, or four IP's over four semesters in the same course
        ▪ You may enroll in a maximum of 9 semester credit hours the next semester
        ▪ You must re-enroll in the same course until satisfactorily passed
        ▪ You must also enroll in an extra course to help you pass the developmental course the next semester
        ▪ The extra course for Math 0300 and Math 1300 students is MATH 1201–Math Success Lab or an alternative course approved by your advisor
        ▪ You are required to meet with an assigned advisor on a regular schedule

- **PLACED ON DEVELOPMENTAL ACADEMIC SUSPENSION (DS)**
    o If you earn two consecutive grades of F or a fifth IP in the same course
        ▪ You cannot enroll at UHD for one long semester
        ▪ You must reapply for readmission to UHD before you can re-enroll

- **THE APPEAL PROCESS**
    o If you are placed on DS status and believe an exception should be made for you, then submit in writing your reasons to your academic advisor
    o The Dean of University College will make the final decision