**MTH 099 Syllabus:** Mathematics Skills II – **Spring 2014**

**MTH 099-215** CRN: 4656Day/Time: MW 6:30-7:45 pm Classroom: SH 518

**Instructor: Rob-Roy Mace Office: SH 743E**

**Email: mace22@marshall.edu Office Hours: M-Tr 4:00 – 5:15**

**Phone: 304.696.7040**

**Prerequisites:** ACT 17 – 18 **OR** SAT equivalent **OR** successful completion of WMTH 001 or MTH 098.

**Course Description:** The purpose of this course is to prepare students with low placement test scores to take college level mathematics courses required in their program of study.

Note: This is a 3 hour course and will count toward full time enrollment status, but does not count toward graduation or GPA. A grade of **Credit** or **No Credit** will be assigned.

**Learning Objectives:** Students shall be able to:

* categorize expressions versus equations, employing appropriate mathematical properties to demonstrate an understanding of linear expressions and equations;
* employ appropriate mathematical properties to demonstrate an advanced understanding of the operations on and simplification of polynomial, rational, and radical expressions, including factoring;
* articulate algebraic meanings for the solutions to linear, quadratic, rational, and radical equations, and also provide graphical representations for the solution(s) to linear equations;
* assimilate information, individually or in a group, from a variety of sources to formulate successful study skills and problem solving strategies.

**Required Materials:**

**TEXTBOOK COMPONENT:**

* **Introductory Algebra 2nd Edition. 2009. Miller, O’Neil, Hyde.** ISBN#: 978-0077303877

**ONLINE COMPONENT:**

* **CONNECT MATH Access Code**

Each item may be purchased separately or together.

**CONNECT MATH:**  Connect is the online homework tool and access must be purchased to meet the requirements for the Connect portion of the course. Students are required to have access to a computer outside of class.

**CALCULATOR:** A calculator should be used only when you are instructed to do so. The TI-83/TI-83 plus or similar graphing calculator is recommended for students continuing into MTH 127/MTH 130 and other higher level courses. A scientific calculator is recommended for students continuing into MTH 121. Students may not utilize cell phones as calculators during tests.

 **Course Policies:**

**ATTENDANCE: It is expected that each student shows up on time and is prepared for class. Attendance is necessary for the successful completion of this course.** A student may have an absence officially excused at The Office of Student Affairs, Memorial Student Center MSC 2W38. **A**ny unexcused absence on the day of an exam will result in a score of zero.  **O**nly an excused absence will warrant a make-up exam to be scheduled during Dead Week.

**OUTSIDE CLASSROOM REQUIREMENTS: Students will need to *work at least 2-4 hours outside of class for every 1 hour spent in class,* studying notes and the textbook, completing homework from the book, and completing assignments in Connect to meet the requirements of the course.**

**CLASSROOM ETIQUETTE:** During class, cell phones must be turned off and out of sight. Please make the instructor aware ahead of time if access to these devices is needed.

**TUTORING FACILITIES:** Marshall University provides multiple options for free on-campus tutoring. The Mathematics Department tutoring lab is located in in Smith Music Hall 115. The University College has a tutoring lab on the first floor of Laidley Hall. It is the student’s responsibility to take advantage of these facilities in addition to utilizing office hours.

#### UNIVERSITY POLICIES: By enrolling in this course, students agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page\_id=802 Policies include: Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment

#### ****FINAL EXAM:** The MTH 099 Common Final Exam will be held on **Saturday, May 3rd at 2:00 p.m.** The instructor will announce the location.**

**GRADE CALCULATION:** Since there are multiple ways in which students learn, knowledge and understanding will be assessed with multiple tools. A student’s grade is assessed by the number of points earned in each of the following categories:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **% of Grade** | **Points** |  |  |  |
| In-Class Exams | 30% | 300 pts. |  |  |  |
| Comprehensive Final Exam | 30% | 300 pts. |  | **Credit:** | 75% or higher overall |
| Online Homework Tool | 20% | 200pts. |  | **No Credit:** | Less than 75% overall |
| Miscellaneous | 20% | 200pts. |  |  |  |
| **Total:** | **100%** | **1000 pts.** |  |  |  |

Students are required to take the comprehensive final exam in order to pass the course.

**Important Dates:**

1/20/14 **MLK, Jr. Day – University Closed**

3/10/14 **Freshman Midterm D and F Grades Due**

3/28/14 **Last Day to Drop a Full Semester Course**

3/17/14 – 3/22/14 **Spring Break – No Classes**

4/28/14 – 5/2/14 **Dead Week**

5/3/14 **MTH 099 Common Final Exam Day (2:00 p.m.)**

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| MTH 099 Weekly Schedule (subject to change) - MW or TR Class Fall 2013 |
|   | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| Week 1 |   |   |   |   |   |   |   |
| 1/13-- |   | Syllabus Review R.1, R.2 |   | R.3, R.4, 1.1, 1.2 |   |   |   |
| Week 2 |   |   |   |   |   |   |   |
| 1/20 -- |   | Labor Day No Class  |   | 1.3, 1.4, 1.5, 1.6 |   |   |   |
| Week 3 |   |   |   |   |   |   |   |
| 1/27-- |  | 2.1, 2.2, 2.3, 2.4 |   |  2.6, 2.8, 3.1 |   |   |   |
| Week 4 |   |   |   |   |   |   |   |
| 2/3-- |  | 3.2, 3.3, 3.4 |   | 3.5, 3.6, 3.7 |   |   |   |
| Week 5 |   |   |   |   |   |   |   |
| 2/10-- |  | 4.5, Review for Exam 1 |   | ***Exam 1 (Ch. 1-3)*** |  |   |   |
| Week 6 |   |   |   |   |   |   |   |
| 2/17-- |   | 5.1, 5.2, 5.3, 5.4 |   | 5.5, 5.6, 5.7, 6.1 |   |  |   |
| Week 7 |   |   |   |   |   |   |   |
| 2/24-- |  | 6.2, 6.3, 6.4 |   | 6.4, 6.5 |   |   |   |
| Week 8 |   |   |   |   |   |   |   |
| 3/3-- |   | 6.7, Review for Exam 2 |   | ***Exam 2 (Ch. 5-6)*** |   |  |   |
| Week 9 |   |   |   |   |   |   |   |
| 3/10-- |  | 7.1, 7.2, 7.3 |   | 7.3, 7.4 |   |   |   |
| Week 10 | SPRING BREAK |
| 3/17 |
| Week 11 |   |   |   |   |   |   |   |
| 3/24-- |  | 7.4 |   | 7.6, Review Ch. 7 |   |   |   |
| Week 12 |   |   |   |   |   |   |   |
| 3/31-- |  | 8.1, 8.2, 8.3 |   | 8.4, 8.5 |   |  |   |
| Week 13 |   |   |   |   |   |   |   |
| 4/7-- |  | 8.6, Review Ch. 8 |   | 9.1, 9.3 |   |  |   |
| Week 14 |   |   |   |   |   |   |   |
| 4/14-- |   | 7.6, 8.6, Review for Exam 3 |   | ***Exam 3 (Ch. 7-9)*** |   |  |   |
| Week 15 | Dead Week |
|  |   | Review for Final Make-up exams |   | Review for Final Make-up exams |   |   | **Common Final Exam for MTH 099** |
| Week 16 |   |   |   |   |   |   |   |
|  |  | FINAL EXAMS |  |