**MTH 098 Syllabus:** Mathematics Skills I - **Fall 2014**

**Section 112 - CRN: 3154** **MW** 5:00 pm—6:15 pm **MOVC 126/127**

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**Prerequisites:** ACT below 17 OR SAT equivalent.

**Course Description:** The purpose of this course is to adequately prepare students to take a second level

course, Mathematics Skills II, a prerequisite to required math courses in any program of study. The course is 3 hours and will count toward full time status. A grade of Credit or No Credit will be assigned.

**Course Objectives:** The Student will:

* demonstrate the ability to manipulate real numbers, including whole numbers, integers, decimals, and fractions, utilizing proper order of operations and basic arithmetic;
* employ appropriate mathematical properties to develop an understanding of algebraic expressions, linear equations, and basic exponent properties;
* illustrate an understanding of rewriting algebraic expressions as a product of factors, with an understanding of greatest common factors and least common multiples;
* record relationships between quantitative data, utilizing basic mathematical language to read graphs and compute meaningful statistics for interpretation, while developing an understanding of units of measurement;
* begin to assimilate information, individually or in a group, from a variety of sources to formulate successful study skills and problem solving strategies

Student achievement for these outcomes will be assessed in this course by in-class exams, the online tool Connect MAth, and the comprehensive final exam.

**Required Materials:**

**TEXTBOOK: Prealgebra 1st Edition. 2011.** **Miller, O’Neil, Hyde**. ISBN#: 9780077349950

**ONLINE COMPONENT: *CONNECT MATH Access Code* – 9AXUA-C3WHR**
Your **Financial Aid Access Code** is: **5BB03-5ABD6-9A8BD-91F34**

**The Financial Aid Access Code does not add an additional two weeks to your account. This code gives you temporary access to Connect Math for a two-week period. Once the code expires, you will be locked out of your Connect Math account until you purchase a regular Student Access Code. It is highly recommended that you purchase the Student Access Code BEFORE the two weeks expire to prevent interruptions with your Connect Math account.**

**WHAT IS CONNECT MATH?**  Connect Math 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.

**COMPOSITION BOOK:** A student should have composition notebook ready for use on all Connect Math assignments. There should also be a separate place for students to take class lecture notes and do homework from the book.

# UNIVERSITY COMPUTING SERVICES’ ACCEPTABLE USE POLICY: All students are responsible for knowing this policy, which can be found on the web at <http://www.marshall.edu/ucs/CS/accptuse.asp>.

**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 and counts toward your grade since the student will not be able to make up any missed in-class points.**

**EXAM POLICY: There will be a total of three in-class exams and one comprehensive final covering the material from the text. The approximate time-frame for these exams is given later in the syllabus. Valid excuses for missing an exam fall into five categories: university-sponsored activities; student illness or critical illness/death in the immediate family; short-term military obligation; jury duty or subpoena for court appearance; or religious holidays. If you miss an exam due to an excused absence, you are allowed to take a makeup test at the instructor’s and your earliest convenience. If you miss a test due to an unexcused absence, you will receive a grade of 0 for that test. By university policy, an unexcused absence from a final exam earns an F in the course (page 91 of the 2014-15 undergraduate catalog). The final will be on Monday, December 8, 2014 at 5:00\* pm in our classroom (Rm. 126).**

**IN THE CLASSROOM:** During class, cell phones must be turned off and out of sight. Students may not utilize cell phones as calculators during tests. Please make the instructor aware ahead of time if you need access to these devices.

**OUTSIDE OF THE CLASSROOM: *You will need to work at least 2-4 hours outside of class for every 1 hour you spend in class* to ensure success in any course. Examples of this work may include Connect Math assignments, homework from the book and peer study groups.**

**TUTORING FACILITIES:** Marshall University provides multiple options for on-campus tutoring. The Mathematics Department tutoring lab is located 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 utilize these facilities.

**PLAGIARISM/ACADEMIC DISHONESTY**: Students are expected to present their own work on all tests and homework quizzes. Asking questions, discussing solutions with other students —**not copying the work**—is an essential part of the learning process. **Know the difference**. If you have any questions about the policy to be followed, please see pages 70-72 of the 2014-15 undergraduate catalog or go to this webpage: <http://www.marshall.edu/ucomm/files/web/UG_14-15_published.pdf>

**STUDENTS WITH DISABILITIES**: **IF YOU HAVE ANY DISABILITY** that may prevent you from full participation in any of the activities of this class, please let me know as soon as possible so that arrangements can be made and be sure to register with the Office of Disabled Student Services or with the H.E.L.P program. For policies and procedures, students should visit the Office of D.S.S. page at <http://www.marshall.edu/wpmu/disabled/policiesprocedures/>.

**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 | 30% | 300pts. |  | **No Credit:** | Less than 75% overall |
| Group Work/In Class Activity  | 10% | 100pts. |  |  |  |
| **Total:** | **100%** | **1000 pts.** |  |  |  |

**Some Important University Dates**

**August 25, Monday**

First Day of Classes

**August 25, Monday - August 29, Friday** (Add/Drop)
Late Registration and Schedule Adjustment

**August 29, Friday**
Last Day to Add Classes (Withdrawals Only After This Date)

**September 1, Monday** (University Closed)
Labor Day Holiday

**October 20, Monday, Noon**
Deadline for Submitting Freshmen Mid Term Grades

**October 31, Friday**
Last Day to Drop a Full Semester Individual Course

**November 24, Monday—November 28, Friday** (Classes Dismissed)
Thanksgiving/Fall Break

**December 1, Monday**
Classes Resume

**December 1, Monday—December 5, Friday**
“Dead Week”

**December 5, Friday**
Last Class Day and Last Day to Completely Withdraw For Fall Semester

**December 8, Monday**
Final Exam for MTH 098

**December 15, Monday, Noon**
Deadline for Submitting Final Set of Grades

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| MTH 098 Weekly Schedule (subject to change) – Fall 2014 |
| Week 1 | **MONDAY** | **WEDNESDAY** |  |
| Aug. 25-27 | **Syllabus Review, Connect Math** | 1.2, 1.3, 1.4, 1.5, 1.6 |  |
| Week 2 |  |  |  |
| Sep. 1-3 | **Labor Day-NO CLASS** | 1.7, 1.8, 2.1, 2.2 |  |
| Week 3 |  |  |  |
| Sep. 8-10 | 2.2, 2.3, 2.4, 2.5 | Catch-up and Review |  |
| Week 4 |  |  |  |
| Sep. 15-17 | **TEST 1** | 3.1, 3.2, 3.3 |  |
| Week 5 |  |  |  |
| Sep. 22-24 | 3.4, 3.5 | 4.1, 4.2, 4.3 |  |
| Week 6 |  |  |  |
| Sep. 29 - Oct. 1 | 4.4, 4.5 | 4.6, 4.7, 4.8 |  |
| Week 7 |  |  |  |
| Oct. 6-8 | 5.1, 5.2, 5.3, 5.4  | 5.5, 5.6, 5.7 |  |
| Week 8 |  |  |  |
| Oct. 13-15 | Catch-up and Review | **TEST 2** |  |
| Week 9 |  |  |  |
| Oct. 20-22 | 6.1, 6.2, 6.3  | 6.4, 7.1, 7.2 |  |
| Week 10 |  |  |  |
| Oct. 27-29 | 7.3, 7.4 | 8.1, 8.2, 8.3, 8.5 |  |
| Week 11 |  |  |  |
| Nov. 3-5 | 8.6, 8.7 | 9.1, 9.2, 9.3, 9.4  |  |
| Week 12 |  |  |  |
| Nov. 10-12 | Catch-up and Review  | **TEST 3** |  |
| Week 13 |  |  |  |
| Nov. 17-19 | 9.5, 9.6 | 10.1, 10.2, 10.3 |  |
| Week 14 |  |  |  |
| Nov. 22-26 | **Thanksgiving/Fall Break** |
| Week 15 |  |  |  |
| Dec. 1-3 | 10.4, 10.5, 10.6  | Review for Final |  |
|  |  |  |  |
| Dec. 8 | **FINAL EXAM** |  |  |