**Marshall University**

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| Course Title/Number | **Mathematics Skills I / MTH 098 - 101** |
| Semester/Year | Fall 2014 |
| Days/Time | MWF 8:00a – 8:50a |
| Location | Smith Hall 509 |
| Instructor | Jacob Fischer |
| Office | Smith Music 115 |
| Phone | 304 696-3986 |
| E-Mail | fischerj@marshall.edu |
| Office/Hours  Tutoring Hours | 9:00 – 11:00 F  10:30 – 1:30 T; 9:00 – 12:00 W; 11:00 – 1:30, 3:30 – 5:00 R |
| University Policies | By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be going to [www.marshall.edu/academic-affairs](http://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/policies](http://www.marshall.edu/academic-affairs/?page_id=802)  **University Policies:** 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 |

**Course Description: From Catalog**

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| This course prepares students with low placement scores for the second level of the mathematics skills sequence. (PR: Math ACT < 17) |

**Learning Objectives**

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| **Course Student Learning Outcomes** | **How students will practice each outcome in this Course** | **How student achievement of each outcome will be assessed in this Course** |
| Students will demonstrate the ability to manipulate real numbers, including whole numbers, integers, decimals, and fractions, utilizing proper order of operations and basic arithmetic; | Connect Math  Quizzes | Exams |
| Students will employ appropriate mathematical properties to develop an understanding of algebraic expressions, linear equations, and basic exponent properties; | Connect Math  Quizzes | Exams |
| Students will illustrate an understanding of rewriting algebraic expressions as a product of factors, with an understanding of greatest common factors and least common multiples; | Connect Math  Quizzes | Exams |
| Students will 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; | Connect Math  Quizzes | Exams |
| Students will begin to assimilate information, individually or in a group, from a variety of sources to formulate successful study skills and problem solving strategies. | Connect Math  Quizzes | Exams |

**Required Texts, Additional Reading, and Other Materials**

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| 1. **Prealgebra 1st Edition. 2011.** **Miller, O’Neil, Hyde** 2. **CONNECT MATH Access Code** |

**Course Requirements / Due Dates**

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| 1. 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. 2. 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. 3. All homework will be assigned on Friday and is due by Friday of the next week. If homework is not turned in on time, a late penalty of 20% will be accessed. All homework sections related to exam material must be turned in before the day of the exam or it will not be accepted. 4. All students are required to take the comprehensive final exam in order to pass the course. |

**Tutoring Facilities**

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| 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. http://www.marshall.edu/math/tutoringlab.asp |

**Final Exam**

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| The MTH 098 Common Final Exam will be held on **Saturday, December 6th at 2:00 p.m.** The location will be given closer to the final. |

**Grading Policy**

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| 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 | | Attendance | 5% | 50pts. |  |  |  | | Weekly Quizzes | 15% | 150pts. |  |  |  | | **Total:** | **100%** | **1000 pts.** |  |  |  |   Students are **required** to take the **comprehensive final exam** in order **to pass the course.** |

**Attendance Policy**

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| I**t 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. Attendance is also factored into the final grade. |

**Course Schedule**

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| Week | Sections Covered |  |
| 8/25 – 8/29 | 1.1 – 1.9 |  |
| 9/1 – 9/5 | 2.1 – 2.5 | 9/1 – Labor Day No Class |
| 9/8 – 9/12 | 3.1 – 3.4 |  |
| 9/15 – 9/19 | 3.5 | Test 1 (Ch. 1 – 3) |
| 9/22 – 9/26 | 4.1 – 4.5 |  |
| 9/29 – 10/3 | 4.5, 4.7, 4.8 |  |
| 10/6 – 10/10 | 5.1 – 5.7 |  |
| 10/13 – 10/17 | 6.1 – 6.4 |  |
| 10/20 – 10/24 | 7.1 – 7.4 | Test (Ch. 4 – 6)  10/20 – Midterm Grades |
| 10/27 – 10/31 | 7.5, 8.1 – 8.3, 8.6 | 10/31 – Last Day to Drop Course |
| 11/3 – 11/7 | 8.7, 9.1 – 9.6 |  |
| 11/10 – 11/14 | 10.1 – 10.2 | Test 3 (Ch. 7 – 9) |
| 11/17 – 11/21 | 10.2 – 10.6 |  |
| 11/24 – 11/28 |  | Thanksgiving Break No Classes |
| 12/1 – 12/5 | Final Exam Review | Final Exam 12/6 at 2:00 |