**Marshall University Course Syllabus**

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| Course Title/Number | **Mathematics Skills II / MTH 099** |
| Semester/Year | Spring 2015 |
| Days/Time | MWF 8:00 – 8:50 |
| Location | Smith Hall 516 |
| Instructor | Jacob Fischer |
| Office | Smith Music 115 |
| Phone | 304 696-3986 |
| E-Mail | fischerj@marshall.edu |
| Office Hours  Tutoring Hours | F 9-11  M 10-2; W 10-2:30; TR 9-10:30 |
| 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**

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| 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.  **Prerequisite:** ACT 17–18 OR SAT equivalent OR successful completion of WMTH 001 or MTH 098.  **Note:** This is a 3 hour course that satisfies prerequisites and counts toward full time enrollment status, but this course does not count toward graduation or GPA. A grade of **Credit** or **No Credit** will be assigned. |

**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 categorize expressions versus equations, employing appropriate mathematical properties to demonstrate an understanding of linear expressions and equations. | Connect Math Online Homework  Quizzes | Exams |
| Students will employ appropriate mathematical properties to demonstrate an advanced understanding of the operations on and simplification of polynomial, rational, and radical expressions, including factoring. | Connect Math Online Homework  Quizzes | Exams |
| Students will 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. | Connect Math Online Homework  Quizzes | Exams |
| Students will assimilate information, individually or in a group, from a variety of sources to formulate successful study skills and problem solving strategies. | Connect Math Online Homework  Quizzes | Exams |

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

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| 1. ***Introductory Algebra,*** 2nd Edition, by Miller, O’Neil, and Hyde, 2009. ISBN: 9781259146367. Required. 2. **CONNECT MATH Access Code** – ISBN: 9780077543754. Required.   **CONNECT MATH:**  Connect Math is the online homework tool for this course. Access must be purchased to meet the requirements for the Connect Math portion of the course. Students are required to have access to a computer outside of class. |

**Course Requirements**

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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 Math to meet the requirements of the course.** 2. 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. For additional information, please see *http://www.marshall.edu/math/tutoringlab.asp* |

**In-Class Exam Dates**

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| * Exam 1: Wednesday February 18th * Exam 2: Friday March 20th * Exam 3: Friday April 24th |

**Final Exam**

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| The MTH 099 Common Final Exam will be held on **Saturday, May 2 at 2:00 p.m.** The location will be announced before the exam date. |

**Grading Policy**

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| The course grade is determined 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% | 200 pts. |  | **No Credit:** | Less than 75% overall | | Other Assessments  (quizzes, written homework, attendance, etc.) | 20% | 2000 pts. |  |  |  | |  |  |  |  |  |  | | **Overall** | **100%** | **1000 pts.** |  |  |  |     **Students are required to take the comprehensive final exam in order to receive credit for the course.** |

**Attendance Policy**

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| **Attendance is necessary for the successful completion of this course. Each student is expected to arrive on time each day, and to be prepared for class.**  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, which will be scheduled during Dead Week. Attendance is also factored into the final grade. |

**Calculator Policy**

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| Calculators may be used on assignments at the discretion of the instructor. It will be made clear, in advance, whether a calculator may be used on any assignment, quiz, or exam. |

**Course Schedule**

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|  | Monday | Wednesday | Friday | Saturday |
| Week 1 |  |  |  |  |
| 1/11 - 1/17 | Syllabus Review R.1 | R.2, R.3, R.4 | 1.1, 1.2 |  |
| Week 2 |  |  |  |  |
| 1/18 - 1/24 | **MLK Day No Class** | 1.3, 1.4 | 1.5, 1.6 |  |
| 1/25 - 1/31 |  |  |  |  |
| 2/1 - 2/7 | 2.1, 2.2, 2.3 | 2.4, 2.6, 2.8 | 3.1, 3.2 |  |
| Week 4 |  |  |  |  |
| 2/8 - 2/14 | 3.3, 3.4 | 3.5, 3.6 | 3.7, 4.5 |  |
| Week 5 |  |  |  |  |
| 2/15 - 2/21 | Review for Exam 1 | ***Exam 1 (Ch. 1-3)*** | 5.1, 5.2 |  |
| Week 6 |  |  |  |  |
| 2/22 - 2/28 | 5.3, 5.4 | 5.5, 5.6 | 5.7, 6.1 |  |
| Week 7 |  |  |  |  |
| 3/1 - 3/7 | 6.2, 6.3 | 6.4 | 6.5 |  |
| Week 8 |  |  |  |  |
| 3/8 - 3/14 | **Spring Break No Class** | | |  |
| Week 9 |  |  |  |  |
| 3/15 - 3/21 | 6.7 | Review for Exam 2 | ***Exam 2 (Ch. 5-6)*** |  |
| Week 10 |  |  |  |  |
| 3/22 - 3/28 | 7.1, 7.2 | 7.3 | 7.3, 7.4 |  |
| Week 11 |  |  |  |  |
| 3/29 - 4/4 | 7.4 | 7.6 | Review Ch. 7 |  |
| Week 12 |  |  |  |  |
| 4/5 - 4/11 | 8.1, 8.2 | 8.3 | 8.4, 8.5 |  |
| Week 13 |  |  |  |  |
| 4/12 - 4/18 | 8.6 | Review Ch. 8 | 9.1, 9.3 |  |
| Week 14 |  |  |  |  |
| 4/19 - 4/25 | 7.6, 8.6 | Review for Exam 3 | ***Exam 3 (Ch. 7-9)*** |  |
| Week 15 |  | | | |
| 4/26 - 5/2 | Review for Final Make-up exams | Review for Final Make-up exams | Review for Final Make-up exams | **Common Final Exam for MTH 099** |
| Week 16 |  |  |  |  |
| 5/3 - 5/9 | FINAL EXAMS | | |  |