**Marshall University**

**MTH 130 – 205 Spring 2016**

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| **Course Title/Number** | College Algebra MTH 130 |
| **Semester/Year** | Spring 2016 |
| **Days/Time** | Tuesday & Thursday 8:00-9:15 |
| **Location** | Smith Hall 516 |
| **Instructor** | Mary Crytzer |
| **Office** | Smith Hall 741A |
| **Phone** | 304-696-7245 |
| **E-Mail** | mary.crytzer@marshall.edu or MUOnline mail tool |
| **Office Hours** | Monday 9-10, 12-1, Tuesday/Thursday 9:15-10, Wednesday 8:30-10, other hours by appointment |

**University Policies**

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| By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by 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 [www.marshall.edu/academic-affairs/policies/](http://www.marshall.edu/academic-affairs/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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| In this course, we will discuss polynomial, rational, exponential, and logarithmic functions and their properties. We will also discuss graphs, equations and inequalities, and sequences. **3 hours** |

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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 employ quantitative and analytical methods to solve problems drawn from basic algebra and geometry. | Students will attend class, complete homework, participate in class discussions, and ask questions. | Students will complete in class assignments, homework, quizzes, 3 exams and a comprehensive final exam. |
| Students will solve real-world problems using techniques that employ method of variation. | Students will attend class, complete homework, participate in class discussions, and ask questions. | Students will complete in class assignments, homework, quizzes, 3 exams and a comprehensive final exam. |
| Students will use symmetry and transformations to create and analyze new functions and their graphs. | Students will attend class, complete homework, participate in class discussions, and ask questions. | Students will complete in class assignments, homework, quizzes, 3 exams and a comprehensive final exam. |
| Students will analyze and compare basic algebraic functions as well as exponential and logarithmic functions. | Students will attend class, complete homework, participate in class discussions, and ask questions. | Students will complete in class assignments, homework, quizzes, 3 exams and a comprehensive final exam. |
| Students will construct, evaluate, and graph functions to apply in real-word problems. | Students will attend class, complete homework, participate in class discussions, and ask questions. | Students will complete in class assignments, homework, quizzes, 3 exams and a comprehensive final exam. |

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

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| * **Textbook** – *College Algebra* (9th edition) by Larson ISBN: 9781133963028 * **Graphing calculator** – I suggest a TI-83 or TI-84. * **Computer** – Students must have access to a computer and internet in order to complete online homework. |

**Course Requirements/Due Dates**

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| Students will utilize an online homework tool, will be assessed in class with assignments and quizzes, and will complete in class tests and the final exam. A course schedule will be provided to students.  **Homework**: Homework is assigned for every section discussed in class on WeBWork. The homework assignment due dates will be provided to the students.  **Classwork/Quizzes**: Students will complete in-class assignments and quizzes throughout the semester. These assignments may only be made-up if the student’s absence is excused by the University.  **Tests**: There will be three in-class exams. The course schedule lists the tentative dates for exams. Students will also take a comprehensive final exam on **Thursday, May 5th 8:00-10:00**. If you know ahead of time that you will be absent on the day of an exam, please let the instructor know so that you can make arrangements. Make-up exams will only be given in the event of a university-excused absence. |

**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** |  | A | 90-100% | | In-Class Exams | 45% | 450 pts. |  | B | 80-89% | | Comprehensive Final Exam | 20% | 200 pts. |  | C | 70-79% | | Online Homework Tool | 20% | 200 pts. |  | D | 60-69% | | Miscellaneous | 15% | 150 pts. |  | F | 0-59% | | **Total:** | **100%** | **1000 pts.** |  |  |  | |

**Attendance Policy**

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| **Attendance is necessary for the successful completion of this course and will count for a small part of the final grade. A**ny unexcused absence on the day of an exam will result in a score of zero, and only an excused absence will warrant a make-up exam. Consult your handbook regarding university excused absences. |

**Tutoring**

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| The Math Department provides free tutoring in Smith Music Hall 115. I recommend that you take advantage of this service so that you can be successful in this course. The tutoring lab is open MTWTr 10 am – 4 pm and F 10 am – 12 pm. When visiting the tutoring lab, students should be prepared with questions along with the textbook and materials. |

**Important Dates:**

1/18/16 **Martin Luther King Jr. Day – University Closed**

3/7/16 **Freshman Midterm D and F Grades Due**

3/18/16 **Last Day to Drop a Full Semester Course**

3/21/16-3/26/16 **Spring** **Break – No Classes**5/5/16 **Final Exam 8:00-10:00**