**Marshall University**

**MTH 127 – 501 Summer 2016**

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| **Course Title/Number** | College Algebra Expanded MTH 127 |
| **Semester/Year** | Summer 2016 |
| **Days/Time** | MTWRF 10:00-12:45 |
| **Location** | Smith Hall 514 |
| **Instructor** | Mary Crytzer |
| **Office** | Smith Hall 741A |
| **Phone** | 304-696-7245 |
| **E-Mail** | mary.crytzer@marshall.edu or MUOnline mail tool |
| **Office Hours** | MTWR 9-10, 12:45-1:15 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. **5 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. 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 four in-class exams. Students will also take a final exam on Friday, July 8th. 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 | 44% | 440 pts. |  | B | 80-89% | | Final Exam | 16% | 160 pts. |  | C | 70-79% | | Online Homework Tool | 20% | 200 pts. |  | D | 60-69% | | Miscellaneous | 20% | 200 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 Hall 620. I recommend that you take advantage of this service so that you can be successful in this course. The tutoring lab is open MTWRF 12 pm – 4 pm. When visiting the tutoring lab, students should be prepared with questions along with the textbook and materials. |

**Important Dates:**

6/7/16 **“W” Withdrawal period begins**

6/24/16 **Last day to drop an individual course**

7/4/16 **Independence Day – University Closed**7/8/16 **Last day of class!**

