**Marshall University**

**MTH 130 – 108 Fall 2017**

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| **Course Title/Number** | College Algebra MTH 130 – CRN 3148 |
| **Semester/Year** | Fall 2017 |
| **Days/Time** | Tuesday & Thursday 11:00-12:15 |
| **Location** | Smith Hall 437 |
| **Instructor** | Mary Crytzer |
| **Office** | Smith Hall 741A |
| **Phone** | 304-696-7245 |
| **E-Mail** | mary.crytzer@marshall.edu or MUOnline mail tool |
| **Office Hours** | Monday 11:00-1:00, Wednesday 11:00-1:00, 2:00-3:00 other hours by appt. |

**University Policies**

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| By enrolling in this course, you agree to the University Policies listed below. You can access the policies by going to [www.marshall.edu/academic-affairs/policies/](http://www.marshall.edu/academic-affairs/policies/). |

**Course Description (from catalog)**

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| A brief but careful review of the main techniques of algebra. 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** |
| **Prerequisites:** ACT Math 21 |

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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** |
| Identify and implement appropriate solution methods for single-variable equations | 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. |
| Identify and graph standard algebraic 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. |
| Interpret graphs of 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. |
| Construct functions to model applications | 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. |
| Communicate written mathematics using appropriate notation and explanation in English | 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* (2th edition) by Paul Sisson ISBN: 9781941552407
* **Hawkes Access** – Students must purchase an access code for the online program (included in the textbook bundle)
* **Scientific calculator** – I suggest a TI-30 or equivalent. A graphing calculator or internet-connected device will NOT be permitted on exams.
* **Computer** – Students must have access to a computer and internet in order to complete online homework.
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**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 the material discussed through Hawkes Learning. 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 **Saturday, December 9th 2:00-4:00 pm**. 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:

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| **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.** |  |  |  |

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**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 625. I recommend that you take advantage of this service so that you can be successful in this course. When visiting the tutoring lab, students should be prepared with questions along with the textbook and materials. |