**Marshall University**

**Syllabus**

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| **Course Title/Number**  | MTH 127: **College Algebra – Expanded** (4097:201) |
| **Semester/Year** | Spring 2017 |
| **Days/Time** | MTWTrF 8:00 – 8:50 |
| **Location** | Smith Hall 518 |
| **Instructor** | Rob-Roy Mace |
| **Office** | Smith Hall 743E |
| **Phone** | 304.696.7040 |
| **E-Mail** | mace22@marshall.edu |
| **Office/Hours** | MTWTrF 11:00 a.m. – Noon |
| **University Policies** | By enrolling in this course, you agree to the University Policies listed below. 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 Please read the full text of each policy by going to <http://www.marshall.edu/academic-affairs/?page_id=802> |

**Course Description: From Catalog**

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| A brief but careful review of the main techniques of algebra. Polynomial, rational, exponential, and logarithmic functions. Graphs, equations and inequalities, sequences. |

**The table below shows the following relationships: How each student learning outcome will be practiced and assessed in the course.**

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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 succeed in higher math classes, such as Trigonometry and Calculus. | Online homework, written assignments, in-class activities | Comprehensive final exam covering concepts encountered in higher math courses. |
| Students will see themselves as possessing the ability to understand and explain basic algebra concepts. | Online homework, written assignments, in-class activities | Participation in group quizzes, and presentation/explanation of homework solutions to classmates |
| Students will think critically. | Online homework, written assignments, in-class activities | Tests and quizzes, including problems requiring synthesis of many ideas to solve unseen problems |
| Students will identify and implement appropriate solution methods for single-variable equations | Online homework, written assignments, in-class activities | Course exams and common final |
| Students will identify and graph standard algebraic functions | Online homework, written assignments, in-class activities | Course exams and common final |
| Students will interpret graphs of functions | Online homework, written assignments, in-class activities | Course exams and common final |
| Students will construct functions to model applications | Online homework, written assignments, in-class activities | Course exams and common final |
| Students will communicate written mathematics using appropriate notation and explanation where appropriate | Online homework, written assignments, in-class activities | Course exams and common final |

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

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| 1. **College Algebra, 2nd edition by Paul Sisson**

*(Note: Buying the e-book and online homework access code from* ***learn.hawkeslearning.com*** *is recommended. Physical copies of the textbook are available for loan from Drinko Library, but the student would need to verify the details of this offer, as there may be a limited number of copies or a limited number of hours of availability. While the student will not be expected to bring the textbook to class each day, consistent readings and assignments will be given that assume the student has access to the textbook and online homework. )*1. **Scientific calculator, such as a TI-30 or similar**

*(Note: Any use of a cell phone or graphing calculator during an exam is not allowed.)*1. **Internet access and access code to complete online homework found at learn.hawkeslearning.com**

*(Note: The student will be expected to bring a laptop or tablet equipped with an internet browser to class frequently throughout the semester. As with the textbook, these are also available from Drinko Library. Please note that the student will be required to purchase access to the online homework.)*1. **Writing materials (paper and pencil) for daily work in-class**
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**Grading Policy**

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| The final semester grade will be determined on a percentage basis with three (or four or five) 50-minute **exams** (worth a total of 45% of final semester grade), a comprehensive two-hour **final exam** (worth 20%), a variety of **in-class activities** such as quizzes, projects, group-work, etc. (worth 15%), and **online work** (worth 20%).  **Grade Scale**: A: 100-90% B: 89-80%  C: 79-70%  D: 69-60%  F: 59-0% **NOTE CONCERNING DATE OF FINAL EXAM:** The final exam for MTH 127 will take place on **Saturday April 29** from 2-4 pm. You may use a scientific calculator (TI-30 or equivalent) but no graphing calculators or internet-connected devices (including cellphones) will be permitted.**NOTE CONCERNING ONLINE WORK:** The student may access the online homework at no cost for 21 days after initial registration, but will then be required to purchase an access code to continue. |

**Attendance Policy**

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| **Attendance** **is required**. Consult your handbook regarding university excused absences.Unexcused absences from **nine** classes will result in a reduction of one letter grade for the semester; unexcused absences from **twelve or more** classes will result in an F. It is the responsibility of the student to keep track of the number of unexcused absences they have accumulated. Y**ou must be in class to take quizzes or exams, turn in homework, etc.** If an excused absence results in missing quiz/exam/hw, then a make-up date (*within one week of absence*) must be scheduled with course instructor.  |