**Marshall University**

**MTH 127: College Algebra Expanded**

**Fall 2017**

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| **Course Title/Number** | College Algebra – Expanded Version – MTH 127 |
| **Semester/Year** | Fall 2017 |
| **Section/CRN** | 101-3121 |
| **Days/Time** | MWF 8:00-8:50, TR 8:00-8:50 |
| **Location** | MWF – SH 518, TR – SH 624 |
| **Instructor** | Adam O’Neal |
| **Office** | ML 103 |
| **Phone** | (304) 696-3620 |
| **E-Mail** | oneala@marshall.edu |
| **Office Hours** | MT 9am – 10am (ML 103) and MW 1:30pm – 4:00pm (SH 625) or by appointment |
| **University Policies** | 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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| A brief but careful review of the main techniques of algebra. Polynomial, rational, exponential, and logarithmic functions. Graphs, equations and inequalities, sequences. (PR: Math ACT 17 or C or better in MTH 102 or MTH 102B) |

**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 this outcome** | **How students will be assessed on this outcome** |
| Identify and implement appropriate solution methodsfor single-variable equations | Online homework, written assignments, in-class activities | Course exams and common final |
| Identify and graph standardalgebraic functions | Online homework, written assignments, in-class activities | Course exams and common final |
| Interpret graphs of functions | Online homework, written assignments, in-class activities | Course exams and common final |
| Construct functions to model applications | Online homework, written assignments, in-class activities | Course exams and common final |
| 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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| **Textbook** and computer software – College Algebra with Integrated Review ISBN: 978-1-944894-97-9 (with textbook) or 978-1-944894-98-6 (with e-book only), Hawkes Learning Systems. A software license can be purchased at the student bookstore or on-line at http://www.hawkeslearning.com/. **Calculator** – TI-30 (any of the TI-30 family is acceptable, but TI34 or 36 are not) |

**Course Requirements/Due Dates**

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| **Hawkes Mastery-based Homework**: Each textbook section corresponds to at least one homework (Certify) section in the Hawkes learning system. To sign in, go to learn.hawkeslearning.com and follow the onscreen prompts to enter your code. Many assignments have prerequisite sections that must be completed prior to attempting the assignment. These prerequisites are review and reinforcement of mathematical topics that support the material you are learning in class. They are listed on the course schedule as “Prep work” and you should read through the “Learn” screens and attempt the assignments prior to the lab day they are assigned for. **All assignments must be completed this semester, even if you have some certifications from previous semesters.****Quizzes**: There will be eight quizzes throughout the semester. Quiz dates will be announced during class at least one class day before they are given. **Exams**: There will be three midterm exams as outlined in the course schedule. Exam dates are September 13, October 11, and November 8 for classes with TR Lab and September 12, October 10, and November 7 for classes with MW Lab. **Common Final Exam**: The common final exam for MTH 127 will take place on Saturday December 9 from 2-4 pm. You may use the required calculator for the course (TI-30), but no other assistance (formula sheets, notebooks, phones, or other internet connected devices) will be permitted. You must bring your own calculator or do without. There will be NO sharing of calculators permitted during the exam. |

**Grading Policy**

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| Semester grades will be based on: Hawkes (common homework) 20%Exam 1 15%Exam 2 15%Exam 3 15%Common Final Exam 20%Quizzes 10%Attendance 5% | Percentage ranges for final grades are:A = 90 – 100%B = 80 – 89%C = 70 – 79%D = 60 – 69%F = 0 – 59% |

**Attendance Policy**

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| Students are required to attend each class. Students with a University Excused Absence must provide evidence to justify a University Excused Absence on the first day they return to class. Each unexcused absence will result in a decrease of your final grade. |

**Tutoring**

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| Math Department Tutoring Lab Location: Smith Hall 625Hours: Mon – Thurs: 10:00 am – 4:00 pm and 5:00 pm – 6:30 pm Fri: 10:00 am - Noon |