**Marshall University**

**Syllabus**

|  |  |
| --- | --- |
| Course Title/Number  | **MTH 127: College Algebra – Expanded (CRN:4117)** |
| Semester/Year | Spring 2015 |
| Days/Time | MTWTrF 8:00 – 8:50 |
| Location | Smith Hall 334 |
| Instructor | Rob-Roy Mace |
| Office | Smith Hall 743E |
| Phone | 304.696.7040  |
| E-Mail | mace22@marshall.edu |
| Office/Hours | MWF 9:00 – 10:00 a.m. and TTr 11:00-Noon |
| University Policies | By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be 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 <http://www.marshall.edu/academic-affairs/?page_id=802> 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**

|  |
| --- |
| A brief but careful review of the main techniques of algebra, including but not limited to polynomial, rational, exponential, and logarithmic functions; graphs; systems of equations; etc. |

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

|  |  |  |
| --- | --- | --- |
| **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. | Discussions, group work, board work, homework | 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. | Discussions, group work, board work, homework | Participation in group quizzes, and presentation/explanation of homework solutions to classmates |
| Students will think critically. | Discussions, group work, board work, homework. | Tests and quizzes, including problems requiring synthesis of many ideas to solve unseen problems |

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

|  |
| --- |
| 1. **College Algebra** by Sullivan, 9th Edition.
2. Graphing calculator, such as a TI-83 or similar.
3. Access to the internet to complete online homework.
 |

**Grading Policy**

|  |
| --- |
| Grades will be determined on a percentage basis with five 50 minute exams (each worth 10% of final grade), a comprehensive two hour final exam (worth 20%), a variety of in class activities such as quizzes, projects, board work (worth 15%), and online work (worth 15%).  Final Grade Scale: A: 100-90% B: 89-80%  C: 79-70%  D: 69-60%  F: 59-0%  |

**Attendance Policy**

|  |
| --- |
| Attendance **is required**. 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. Y**ou will not be allowed to take quizzes or exams, turn in homework, etc. unless you are in class**. 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. Excessive use of cell phone or sleeping during class will be counted as an unexcused absence. Consult your handbook regarding university excused absences. |

**Course Topics**

To provide an understanding of functions: familiarity with major classes of functions, function operations, and graphing functions; solving equations and inequalities; solving systems of equations. To prepare students for success in calculus and statistics courses.