**Marshall University**

**Syllabus**

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| Course Title/Number | College Algebra/MTH 130 – 101 |
| Semester/Year | Fall 2014 |
| Days/Time | MWF 8-8:50am |
| Location | SH 516 |
| Instructor | Casie McGee |
| Office | SMH 115 |
| Phone | (304) 834-6626 |
| E-Mail | mcgee6@marshall.edu |
| Office Hours | MWF 10-11 AM |
| 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:** If a student behaves academically dishonest in any way, i.e. copying/turning in another’s work or cheating on quizzes or exams, I reserve the right to fail the individual. The behavior may be reported to the department chair and/or dean of the college and could result in expulsion from the university. Please refer to your handbook for further details.  **Disabilities and/or Special Needs:** If any students have a disability and/or special need that interferes with their involvement in the classroom, they must see the Office of Disability Services, Prichard Hall 117, phone 304-696-2271. Appropriate accommodations can then be made.  **University Computer Services’ Acceptable Use Policy:** All students are responsible for  knowing this policy, which can be found at  <http://www.marshall.edu/ucs/CS/accptuse.asp>.  **Affirmative Action Policy:** This course will follow Marshall University’s policy on  Affirmative Action, which can be found on pg. 93 of the 2008-  2009 undergraduate catalog. Specifically, all students will be  afforded equal opportunity without regard to race, color, sex,  religion, age, disability, national origin, or sexual orientation.  **Inclement Weather Policy:** Students can find information concerning Marshall’s  policy regarding inclement weather on pp. 64-65 of the 2010-  2011 undergraduate online catalog  http://www.marshall.edu/catalog/undergraduate/ug\_10-  11\_published.pdf. |

**Course Description: From Catalog**

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| In this course we will be discussing various functions and their properties, includingpolynomial, rational, exponential and logarithmic functions. We will also cover graphs, systems of equations and inequalities, and sequences. |

**The table below shows the following relationships: How each student learning outcomes 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 apply algebraic concepts to model and solve real life situations using linear, polynomial, rational, exponential, root, and logarithmic equations and/or inequalities. | Students will practice this outcome by doing homework and in class activities. | Students will be assessed on this outcome using quizzes and tests. |
| Students will understand and use basic concepts of functions, including domain, range, operations, compositions, and inverses. | Students will practice this outcome by doing homework and in class activities. | Students will be assessed on this outcome using quizzes and tests. |
| Students will use tables, transformations, critical points, and other characteristics to graph functions, conic sections and parametric equations. | Students will practice this outcome by doing homework and in class activities. | Students will be assessed on this outcome using quizzes and tests. |

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

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| 1. The required text is *College Algebra, 9th edition* by Michael Sullivan. 2. A graphing calculator is required for this course. I suggest either a TI-84 or a TI-Inspire. 3. Students must also have an MU computer account for email. |

**Course Requirements / Due Dates**

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| 1. All due dates can be found on the course schedule. |

**Grading Policy**

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| **Student Assessment:** Students will be assessed using various methods, such as assigned homework, quizzes, and exams. Homework will be assigned daily. Quizzes will be created from homework assignments. There will be a total of three exams and one final. There will also be a participation grade, so please participate.  **Grades will be calculated as follows:**   |  |  | | --- | --- | | Quizzes (based on homework assignments) | 450 points | | Participation (including attendance) | 100 points | | Exams | 300 points (100 per exam) | | Final Exam | 150 points | | Total: | 1000 points |   **Grading Scale:** 100% - 90% A  89% - 80% B  79% - 70% C  69% - 60% D  59% and below F  **Note:** Please note that an incomplete cannot be given unless the student completes 75% of the course. |

**Attendance Policy**

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| Attendance will be taken daily and will impact your final grade. Quizzes/Tests and assignments can only be turned in and/or made up if the student is present or has a university excused absence. Please consult your handbook for excused absences and the required documentation for excuses.  When in attendance I expect each student to behave respectively. You must not only have respect for me, but respect for your fellow classmates as well. If your actions become disruptive or distracting for me or another student, you will be asked to cease your behavior. If you choose to continue, you will be asked to leave. Disruptive behaviors may include, but are not limited to, the following: cell phone use in class, talking during class, and the use of iPods or mp3 players during class. |

**Tutoring Services**

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| Tutoring services are available in Smith Music Hall 115 daily. The schedule will be posted on the door after the first week of classes. I strongly suggest you take advantage of this **FREE** service. |

**Course Schedule (tentative):**

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| Week | Monday | Tuesday | Wednesday | Thursday | Friday |
| Aug 25-29 | Syllabus and Introductions  Ch R1  Ch R1 Hmwk: 45-97 odd |  | Ch R2  Ch R2 Hmwk: 53- 93 odd  Ch R4  Ch R4 Hmwk: 27-87 odd |  | Ch R4 cont.  Ch R4 Hmwk: 89-105 odd  Ch R5  Ch R5 Hmwk: 75-121 odd |
| Sept 1-5 | **University Closed**  No Class |  | Ch R7  Ch R7 Hmwk: 7-91 odd |  | Review, Catch up |
| Sept 8-12 | Ch 1.1  Ch 1.1 Hmwk: 17-59 odd  Ch 1.2  Ch 1.2 Hmwk: 11-65 odd |  | Ch 1.2 cont.  Ch 1.3  Ch 1.3 Hmwk: 9-77 odd |  | Ch 1.4  Ch 1.4 Hmwk: 7-87 odd |
| Sept 15-19 | Ch 1.5  Ch 1.5 Hmwk: 53-87 odd  Ch 1.6  Ch 1.6 Hmwk: 7-15 odd, 35-61 odd |  | Review, Catch up |  | **Test 1** |
| Sept 22-26 | Ch 2.1  Ch 2.1 Hmwk: 19-29 odd, 35-41 odd  Ch 2.2  Ch 2.2 Hmwk: 55-69 odd, 75, 77 |  | Ch 2.3  Ch 2.3 Hmwk: 11-105 odd |  | Ch 2.4  Ch 2.4 Hmwk: 11-33 odd, 43-46 all |
| Sept 29-Oct 3 | Ch 3.1  Ch 3.1 Hmwk:19-81 odd |  | Ch 3.3  Ch 3.3 Hmwk: 21-43 odd |  | Ch 3.4  Ch 3.4 Hmwk: 17-37 odd |
| Oct 6-10 | Ch 3.5  Ch 3.5 Hmwk:19-29 odd, 39-59 odd |  | Review, Catch up |  | **Test 2** |
| Oct 13-17 | Ch 4.1  Ch 4.1 Hmwk: 13-27 odd, 31, 33 |  | Ch 4.3  Ch 4.3 Hmwk: 11-18 all, 31-45 odd, 53-59 odd |  | Ch 5.1  Ch 5.1 Hmwk: 41-59 odd |
| Oct 20-24 | **Midterm Grades Due**  Ch 5.2  Ch 5.2 Hmwk: 13-53 odd  Ch 5.3  Ch 5.3 Hmwk: 7-25 odd |  | Ch 5.4  Ch 5.4 Hmwk: 19-59 odd |  | **Last Day to Drop**  Ch 5.5  Ch 5.5 Hmwk: 21-31 odd, 45-67 odd, 77, 79  Ch 5.6  Ch 5.6 Hmwk: 7- 39 odd |
| Oct 27-31 | Review, Catch up |  | Ch 6.1  Ch 6.1 Hmwk: 7-51 odd  Ch 6.2  Ch 6.2 Hmwk: 11-71 odd |  | 6.2 cont  Ch 6.3  Ch 6.3 Hmwk: 25-31 odd, 33-40 all, 41-83 odd |
| Nov 3-7 | Ch 6.4  Ch 6.4 Hmwk: 9-47 odd, 71-109 odd  Ch 6.5  Ch 6.5 Hmwk: 13-77 odd, 85 |  | Ch 6.6  Ch 6.6 Hmwk: 5-59 odd |  | Review, Catch up |
| Nov 10-14 | **Test 3** |  | Ch 8.1  Ch 8.1 Hmwk: 7-53 odd |  | Ch 8.2  Ch 8.2 Hmwk: 37-71 odd |
| Nov 17-21 | Ch 8.3  Ch 8.3 Hmwk: 7-55 odd |  | Ch 8.4  Ch 8.4 Hmwk: 9, 11, 13, 25, 27, 29, 41, 43, 67, 69, 75-81 odd |  | Review, Catch Up |
| Nov 24-28 | **Thanksgiving Break** | **Thanksgiving Break** | **Thanksgiving Break** | **Thanksgiving Break** | **Thanksgiving Break** |
| Dec 1-5 | Dead Week: flexible time for unexpected slow downs. | Dead Week | Dead Week: flexible time for unexpected slow downs. | Dead Week | Review for Final |