**MTH 130 Sec 204**

**Spring 2015**

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| Course Title/Number | College Algebra MTH 130 Sec 204 (CRN 4130) |
| Semester/Year | Spring 2015 |
| Days/Time | Tuesday and Thursday 11:00 am-12:15 pm |
| Location | CH 268 |
| Instructor | Ram Datt Joshi |
| Office | SH 115 |
| Office Hours | Monday : 9-11, 12-2:30  Wednesday :11-2, 3-4:30  Friday : 11-12 |
| Phone | 304-696-3986 |
| E-Mail | [joshi3@marshall.edu](mailto:joshi3@marshall.edu) |
| University Policies | By enrolling in this course, you agree to the University Policies listed below. Please read the full text of University 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 <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  See the [University Academic Calendar](http://www.marshall.edu/calendar/academic/) (<http://www.marshall.edu/calendar/academic/>) for course withdrawal dates. |

**Course Description**

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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. |

**How each student learning outcome will be practiced and assessed in the course**

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| **MTH 130 Student Learning Outcomes** | **How students will practice each outcome in MTH 130** | **How student achievement of each outcome will be assessed in MTH 130** |
| Students will be able to identify and graph some standard algebraic functions. | Students will complete Web-work assignments (online), classwork, and quizzes to get practice and feedback. | Students understanding of functions will be evaluated through questions on 2 in-class tests and the comprehensive final exam. |
| Students will be proficient at solving algebraic equations and inequalities. Students will understand the concept of functions and their applications. | Students will complete Web-  work assignments (online),  classwork, and quizzes to  practice and get feedback. | Students will be assessed on solving equations through questions on 2 in-class tests and the one  comprehensive final exam. |

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

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| College Algebra, 9th Ed. by Sullivan |

**Course Requirements / Due Dates**

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| Homework: Homework will be assigned on Web-work after every class. Late homework assignments are not accepted, except in extenuating circumstances or University-approved absences.  Quizzes: There will be a brief quiz during most class meetings. They will be announced the previous class meeting. If you are tardy and miss a quiz, you will receive NO grades for the quiz. Make-up quizzes are only given in the event of a university-excused absence.  Tests: There will be 2 in-class tests during the semester and a comprehensive Final Exam. If you know in advance that you will have an excused absence on a test date, please make arrangements to take the test early. Make-up exams will only be given in the event of a university-excused absence. Tentative test dates are: **February 17 and March 31**.  **Final Exam**: The final exam will be on Thursday, **May 5, from 10:15 am-12:15 pm**. Please make travel arrangements accordingly. Make-up/early tests will not be available to accommodate individual travel plans. |

**Grading Policy**

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| Homework: 20%  Quizzes: 10%  In-Class Exams: 50% (25% per exam)  Final Exam: 20%  The grading scale is rigid.  90.00 – 100 A  80.00 – 89.99 B  70.00 – 79.99 C  60.00 – 69.99 D  Below 60.00 F |

**Course Schedule**

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| Week | Date | Section |  | Week | Date | Section |
| 1 | 1/13 | R.1 |  | 12 | 3/31 | **Second Test** |
|  | 1/15 | R.2, R.3, R.4 |  |  | 4/2 | 6.2, 6.3 |
|  |  |  |  |  |  |  |
|  |  |  |  | 13 | 4/7 | 6.3, 6.4 |
| 2 | 1/20 | R.5, R.6, R.7 |  |  | 4/9 | 6.6(through solving logarithmic equation, top of page 461) |
|  | 1/22 | R.8, Appendix on graphing calculators , 1.1 |  |  |  |  |
|  |  |  |  |  |  |  |
| 3 | 1/27 | 1.2, 1.3 |  | 14 | 4/14 | 6.5, 6.6 |
|  | 1/29 | 1.4-1.5 |  |  | 4/16 | 6.8 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 4 | 2/3 | 1.6( equations only), 1.7, 2.1 |  | 15 | 4/21 | 8.1 |
|  | 2/5 | 2.2-2.3 |  |  | 4/23 | 10.1 |
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|  |  |  |  | 16 | 4/28 | **REVISION** |
| 5 | 2/10 | 2.4 |  |  | 4/30 | **REVISION** |
|  | 2/12 | 3.1, Review |  |  |  |  |
|  |  |  |  |  |  | **FINAL EXAM on May 5th**  **Time: 10:15-12:15** |
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| 6 | 2/17 | **First Test** |  |  |  |  |
|  | 2/19 | 3.1(continued), 3.2 |  |  |  |  |
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|  |  |  |  |  |  |  |
| 7 | 2/24 | 3.3, 3.4 |  |  |  |  |
|  | 2/26 | 3.5-3.6 |  |  |  |  |
|  |  |  |  |  |  |  |
| 8 | 3/3 | 4.1, 4.2 |  |  |  |  |
|  | 3/5 | 4.3-4.4 |  |  |  |  |
|  |  |  |  |  |  |  |
| 9 | 3/10 | 5.1 , 5.2 |  |  |  |  |
|  | 3/12 | 5.2, 5.3 |  |  |  |  |
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| 10 | 3/17 | **Spring break** |  |  |  |  |
|  | 3/19 | **Spring break** |  |  |  |  |
|  |  |  |  |  |  |  |
| 11 | 3/24 | 5.5 (pages 374-377) |  |  |  |  |
|  | 3/26 | 6.1, Review |  |  |  |  |
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**Plagiarism Policy**

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| Plagiarism (stealing) will not be tolerated in any way, shape, or form. Students who plagiarize will receive a zero for that assignment. |

**Computers**

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| Students will be required to use MUOnline. |

**Calculators**

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| Students are required to have graphing calculator during the course. |

**Class Policies**

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| * Cell phones and computers should be off during class. * All assignments must be submitted by the stated due dates. * Students are expected to treat all in the class with respect. |

GOOD LUCK!!!