**Marshall University**

**Syllabus**

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| Course Title/Number  | Concepts and Applications (CT) / MTH 121-102 |
| Semester/Year | Fall 2014 |
| Days/Time | MWF 9-950 am |
| Location | SH 514 |
| Instructor | Jessica Briscoe |
| Office | SH 526B |
| Phone | (304) 696-6663 |
| E-Mail | briscoe7@marshall.edu |
| Office/Hours | MWF 10-11, MTR 12-1 |
| 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**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. |

**Course Description: From Catalog**

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| This is a critical thinking course for non-science majors. Topics include logical thinking, problem solving, linear modeling, beginning statistics and probability, exponential and logarithmic modeling, and formula use.  |

**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 develop the critical thinking skills needed for college, career, and life. | Students will practice this outcome by doing homework, in class activities and projects. | Students will be assessed on this outcome using quizzes and tests. |
| Students will develop the mathematical thinking skills needed to analyze various problems. | 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 have a solid understanding of algebra. | 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 Using and Understand Mathematics: A Quantitative

 Reasoning Approach by Jeffrey Bennett and William Briggs, 5th Edition.1. Students are required to have a scientific calculator with a yx or xy or ^ key. However, most calculations can be done simply with a pencil and piece of paper.
2. Students must also have an MU computer account for email.
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**Course Requirements / Due Dates**

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

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| **Student Assessment:** Students will be assessed using various methods, such as assigned homework, quizzes, and exams. There will also be one project to be completed. Homework will be due after the completion of each chapter. It will be graded and returned promptly for the students’ review before each test. Quizzes will be given after the submission of homework assignments, except on weeks when an exam is scheduled. There will be a total of three exams and one final.**Grading Scale:** 100% - 90% A89% - 80% B 79% - 70% C 69% - 60% D 59% and below F**Board Points:** Extra credit problems will not be given on exams. However, students can receive board points during the semester, which will count towards their lowest test grade. Typically, students earn board points by performing tasks on the board. For example, before each homework submission students may request a problem to be worked out on the board. If another student has performed this problem in his/her homework, he/she may go to the board and work out the problem and therefore, receive a board point. Board points may also be earned during class activities. **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 not be taken, but students are strongly urged to attend since points may be lost by not turning in assignments and/or missing quizzes and exams. 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 postedon 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 |   |  **Discuss Project 1**1B1B Hmwk: 15-21odd, 29,37,45,47,49,61 |  | 1C1C Hmwk: 13,19,21, 35,37,43,53,55,59,61 |
| Sept 1-5 | **University Closed** |  | 1D1D Hmwk: 15,17,19, 25,27, 29,31,33,37,39 |  | Ch 1 Hmwk DueBoardwork**Quiz 1** |
| Sept 8-12 | 2A2A Hmwk: 13,21,23, 35,39,49,53,59,63,73 |  | 2B2B Hmwk: 21,27,29, 39,43,45, 47,49,53,55 |  | 2C2C Hmwk: 7-15 odd  |
| Sept 15-19 | Ch 2 Hmwk DueBoardwork**Quiz 2** |  | 3A3A Hmwk: 17,19,25, 29,31, 53,55,77,79,81 |   | 3B3B Hmwk: 15,17,19, 21,23, 25,27,41,43,49 |
| Sept 22-26 | 3C3C Hmwk: 25, 27, 29, 33, 39, 43, 69-75 odd |  | Ch 3 Hmwk DueBoardwork Review |  | **Test 1** |
| Sept 29-Oct 3 | 4A4A Hmwk: 19,21,23, 31,33,35,39,41,43,45 |  | 4B4B Hmwk: 19,37,39, 43,47,49,53,67,69,77 |  | 4B cont. |
| Oct 6-10 | 4C4C Hmwk: 17,21,23, 25,29,31,33,37,39,41 |  | 4D4D Hmwk: 13,15,19, 21,23,25,29,31,33,37 |  | Ch 4 Hmwk DueBoardwork**Quiz 3****Project 1 Due** |
| Oct 13-17 | 5A5A Hmwk: 15,19,21, 23,27,29,33,35,37,47 |  | 5B5B Hmwk: 13-31 odd |  | 5C5C Hmwk: 15-33 odd |
| Oct 20-24 | **Midterm Grades Due**Ch5 Hmwk DueBoardworkReview |  | **Test 2** |  | 6A6A Hmwk: 13-31 odd |
| Oct 27-31 |  6B6B Hmwk: 15,17 |  | 6C6C Hmwk: 11,13,15, 17,19,21,23,27,29,31 |  | **Last Day to Drop**6D6D Hmwk: 15-33 odd |
| Nov 3-7 | Ch 6 Hmwk DueBoardwork**Quiz 4** |  | 7A7A Hmwk: 13,17,19, 21,23,27,29,33,47,49 |  | 7B7B Hmwk: 13-31 odd  |
| Nov 10-14 | 7C7C Hmwk: 13-31 odd |  | 7E7E Hmwk: 15-33 odd |  | Ch7 Hmwk Due Boardwork |
| Nov 17-21 | **Test 3** |  | 8A8A Hmwk: 9-27 odd8C8C Hmwk: 13-31 odd |  | Ch8 Hmwk DueBoardwork |
| Nov 24-28 | **Fall Break** | **Fall Break** | **Fall Break** | **Fall Break** | **Fall Break** |
| Dec 1-5 | Dead Week | Dead Week | Dead Week | Dead Week | Dead Week |
| Dec 8-12 |  |  |  |  | **Final 8-10** |