**MTH 121 Syllabus:** Concepts and Applications (CT) - **Spring 2014**

**204 - CRN:** 4270 **MWF** 11:00 am – 11:50 am **SH 518
 212 – CRN:** 4262 **TR** 2:00 pm – 3:15 pm **SH 437**

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**Prerequisites:** ACT 19 or SAT 460 or MAT 097 or Plac 100 or MAT 097E or MAT 087 or Math 100 or MAT 095

**Course Description:** A critical thinking course for non-science majors that will include topics such as logical thinking, problem solving, linear modeling, entry-level statistics and probability, functions, and geometry.

**Course Objectives:** Students will be able to:

* Develop critical thinking skills necessary for college, career, and life
* Develop mathematical thinking skills needed to analyze various problems
* Develop information and technical literacy knowledge
* Develop and use oral, written, and visual communication skills
* Give students an understanding of algebra
* Satisfy the mathematics general education requirement

**Course Materials:**

**TEXTBOOK:** Using and Understanding Mathematics: A Quantitative Reasoning Approach by Jeffery Bennett and William Briggs, 5th edition

**CALCULATOR:** A graphing calculator is suggested for this course. (TI-83/TI-83 plus or similar graphing calculator is recommended for students continuing into other higher level courses.)

**MUOnline:** If you miss a day of class, you should check the calendar on MUOnline to find out what you missed and any assignments given. This will be used to makes updates to the calendar as far as exams, due dates, etc. are concerned.

**Course Policies:**

**ATTENDANCE: It is expected that each student shows up on time and is prepared for class. Attendance is necessary for the successful completion of this course and count as bonus toward the final grade. PLEASE NOTE: the student will NOT be able to make up any missed in-class points (this can be in terms of homework, quizzes, or exams). If the absence results in the missing of an exam, a score of zero will be recorded. O**nly an excused absence will warrant a make-up exam to be scheduled during Dead Week. A student can obtain an official excused absence at The Office of Student Affairs, Memorial Student Center MSC 2W38. Once this has been done, the student will be able to make up any work for full credit. Attendance will be taken each class. Please note that you will not receive points for being in class, however after 3 unexcused absences, a meeting will be suggested regarding the outcome of your grade. Athletes are to notify instructor with letter in order to be aware of absences.

**IN THE CLASSROOM:** During class, cell phones must be turned off and out of sight. Students may not utilize cell phones as calculators during tests. Please make the instructor aware ahead of time if you need access to these devices.

**OUTSIDE OF THE CLASSROOM: *You will need to work at least 2-4 hours outside of class for every 1 hour you spend in class* to ensure success in any course.**

**TUTORING FACILITIES:** Marshall University provides multiple options for on-campus tutoring. The Mathematics Department tutoring lab is located in Smith Hall 115. The University College has a tutoring lab on the first floor of Laidley Hall. It is the student’s responsibility to utilize these facilities.

#### PLAGIARISM/ACADEMIC DISHONESTY: Marshall University expects academic honesty.  Students who commit breaches of academic honesty will be subject to the various sanctions outlined in the Undergraduate Catalog.   See the policy here: [www.marshall.edu/catalog/undergraduate/ug\_09-10.pdf](http://www.marshall.edu/catalog/undergraduate/ug_09-10.pdf).

#### STUDENTS WITH DISABILITIES: It is the responsibility of the student to contact the Office of Disability Services. For policies and procedures, visit [www.marshall.edu/disabled/index.htm](http://www.marshall.edu/disabled/index.htm).

**GRADE CALCULATION:** Since there are multiple ways in which students learn, knowledge and understanding will be assessed with multiple tools. A student’s grade is assessed by the number of points earned in each of the following categories:

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| --- | --- | --- |
| ***CATEGORY*** | ***Description*** | ***Class %*** |
| **HOMEWORK** | Homework assignments will vary from week to week pending on material covered. Expect one assignment per week. This may be over a section, or chapter review. Some assignments may come from group work; each student in group will receive same grade.  | **15** |
| **QUIZZES** | Quizzes will be a major part of your grade. Expect at least one quiz per week. These will be worth more points than homework. Be prepared each day in class with material covered previous day. Some of these may not be discussed in previous class.  | **25** |
| **PROJECTS** | Expect a minimum of 2 projects. These may be group or individual work. These may consist of in-class presentations, reports, etc.  | **10** |
| **IN-CLASS EXAMS** | Each of the **three** exams will count equally towards the final grade (10%). These will consist mainly of “new” material while some questions will be pulled from previous exams/quizzes.  | **30** |
| **FINAL EXAM** | A **comprehensive** final exam will be given at the end of the semester. A student must take the final exam on the day of the final unless previous arrangements are made. | **20** |
| **TOTAL--------🡪** | **100** |

**OVERALL GRADING SCALE:** To be successful, students should earn as much credit as they can from each and all categories.

90-100% A

80-89% B

70-79% C

60-69% D

Below 60% F