Spring Semester 2016

**INSTRUCTOR:** Dr. Matthew Carlton Office: Smith Hall 722

**OFFICE HOURS:** M-W-F 11:30 a.m. – 12:00 p.m.

 T- TR 11:00 a.m. – 12:30 p.m.

**PRIMARY EMAIL:** carlton@marshall.edu

**SECTIONS:**

**MTH 121, Section 205, CRN 3996 - MWF 12:00 - 12:50 - SH 514**

**MTH 121, Section 206, CRN 3997 - MWF 1:00 - 1:50 - SH 514**

**MTH 121, Section 209, CRN 4000 - TR 9:30 - 10:45 - SH 514**

**MTH 121, Section 211, CRN 4002 - TR 12:00 - 1:45 - SH 514**

**BOOK REQUIRED**: Using and Understanding Mathematics – Fifth Edition

 Authors: Jeffrey Bennet and William Briggs

**GRADING SCALE:** 90-100 **A**; 80-89 **B**; 70-79 **C**; 60-69 **D**; 0-59 **F**.

 There are three in-class tests for this class. Each test will count as 1/3 of your course grade.

 The first test will cover Sections 1A, 1B, 1C, and 1D. This exam will be given when we have completed these sections. There is no official date. You will know well in advance of any test. If you miss test 1 for any reason, your final will count as double.

 The second test will cover Sections 2A, 2B, 3A, and 3B. This test will take place after we have completed these sections. You will know well in advance of any test. There is no date scheduled. If you miss exam 2 for any reason, the final will count as double. If you miss both test 1 and test 2 or if you miss the final, you will receive an F for the class.

 The final test will cover Sections 4A, 4B, 4C, and 4D. The final will be given as scheduled by the Marshall University schedule; you will know when this is well in advance.

 TEST FORMAT: There will be exactly 10 multiple choice questions on each test. Each test question is worth 8 points. All tests are open book and open notes. You will be handed a package of practice problems to assist you in passing the tests. You may write anything you want on the front or back of these sheets in the package. You may bring these with you when you take the tests. You may use a calculator, but it must be just a calculator, not a phone or anything else.

 **This course is classified as a “Critical Thinking” course. As such, the objectives for this course are as follows:**

1. Learn WHY things work in addition to how things work.
2. Learn HOW to communicate your results effectively to an audience.
3. AFTER obtaining an answer, EXPLAIN what it means.

 We are using the handout problems as a vehicle to achieve these objectives. You have not achieved these objectives by merely getting the answers to the handout problems and the test problems. The objectives can only be achieved by attending the class and participating in the class. This course begins after you have the answers to the problems.

 This class is one of the most useful classes you will ever take in regard to your life after college. If you plan on buying a car, a house, having a retirement fund, or using money for anything, this class will help you learn what it takes to make those things happen. You will get out of this class what you put into it. This is NOT your average math class.

 There will be no in-class calculator instruction. See me in my office for help or the tutors that are available in Smith Hall 115 for help. If all else fails, read the instructions that came with your calculator.

 All special accommodations students: Have someone from your program pick up the test at the classroom door at the beginning of the test period. Make sure they get a copy of these directions.

 University policy for students with disabilities: It is the responsibility of students with disabilities to contact the office of Disabled Student Services in Prichard Hall 117 or call phone 304-697-2271 to provide documentation of their disability. For more information, visit <http://www.marshall.edu/disabled>.

 **CRITICAL THINKING POINTS may be obtained as follows:**

You may volunteer to put on the board and explain some of the questions in the handout. This will be done in such a way that throughout the semester, all students will have an equal number of chances to volunteer. Each time you volunteer, if your explanation is correct enough, 5 points will be added to your next test score. However, no test score can exceed 100 points. Do not go to the board unless you have the problem completely worked out and are ready to fully explain it.

5 WAYS TO GET THE ANSWERS TO THE HANDOUT PROBLEMS:

1. Ask me in class to work the problem out.
2. Ask me in class if your answer is right.
3. Ask me in class what the answer is.
4. See me in my office.
5. See the tutors.

INDEX CARD INFORMATION:

A = Present when roll is called

B = Absent when roll is called

C = Declined a chance to earn an additional 5 points

D = Attempted to earn 5 additional points, but explanation was inadequate.

E = Earned 5 additional points.

F= Absent on problem day.

Note 1: Immediately after role has been taken, all phones are to be put away. This does not mean put them in your lap. Leave them put away until class is over.

Note 2: Homework is just that. It is not to be done in class. Class time is reserved for answering your questions, introducing new ideas, providing you enough information to start your homework, and to discuss what the answers mean.