**Fall Semester 2016**

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

**Professor of Mathematics**

**Fellow of the Society of Actuaries**

**OFFICE HOURS: 11:30 AM – 12:00 PM M/W/F**

 **10:45 AM – 12:30 PM T/R**

**EMAIL:** carlton@marshall.edu

**SECTIONS:**

**MTH 121, Section 104, CRN 2969 – MWF – 12:00-12:50 Room SH 514**

**MTH 121, Section 105, CRN 2970 – MWF – 1:00-1:50 Room SH 514**

**MTH 121, Section 108, CRN 2973 – TR – 9:30-10:45 Room SH 514**

**MTH 121, Section 108, CRN 2973 – TR – 12:30-1:45 Room SH 514**

This course is classified as a “critical thinking course.” As such, the three main objectives of this course are:

1. Learn how to read with more comprehension.
2. Learn to think more critically.
3. Increase communication skills.

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. The course begins after you have the answers to the problems.

Book required: Using and Understanding Mathematics – Sixth Edition

 Authors: Jeffrey Bennet and William Briggs

 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 the sheets in the package. You may bring this package with you when you take part 1 of the test. You may use a calculator, but it must be just a calculator, not a phone or anything else.

 After you have completed all 3 tests, I will average the points on the 3 tests and use the grading scale as listed on page 3 of this syllabus to determine your course grade.

**5 WAYS TO GET THE ANSWERS TO THE HANDOUT PROBLEMS:**

1. Ask me in class to work out the problem.
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**

1. Present when role is called
2. Absent when roll is called and considered absent the rest of the class.
3. Absent on problem day when roll is called.
4. Declined a chance to earn an additional 5 points or explanation was unacceptable.
5. Explanation was acceptable and earned additional 5 points.

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

**NOTE 2:** If you miss Test 1, Test 3 counts as double.

 If you miss Test 2, Test 3 counts as double.

 If you miss both Test 1 and Test 2, you will receive an F for the class.

 If you miss Test 3, you will receive an F for the class.

**FINAL GRADE DETERMINATION:**

There will be exactly 3 tests during the semester. Each test will count as 1/3 of your final grade.

Test number 1 covers Sections 1A, 1B, 1C, and 1D

Test number 2 covers Sections 2A, 2B, 3A, and 3B

Test number 3 covers Sections 4A, 4B, 4C, and 4D

Each test will consist of 2 parts. Part 1 will be in class multiple choice questions. There will be exactly 10 questions. Each question will be worth 8 points, so the most points you can earn on Part 1 is 80. Part 2 will consist of problems you present in class on problem days preceding the in class test. For each problem you put on the board in an acceptable manner, you will receive 5 points. The number of chances you get depends on the class size and class time limitations. Obviously, the more problems you put on the board, the more multiple choice problems on Part 1 of the test you can miss and still get a good grade. The test grade is the sum of Part 1 and Part 2.

**DEFINITION OF ACCEPTABLE MANNER:**

Getting the right answer does not necessarily mean you worked the problem correctly. You must present a college level explanation of why your answer is right. You will receive credit if only minor modifications to your explanation are necessary. Absolutely unacceptable is a middle school explanation of how things work as opposed to why they work.

The course grade is the average of 3 test grades using the same grading scale.

The grading scale for each test is:

90- points A, 80-89 points B, 70-79 points C, 60-69 points D, and 0-59 points F.

Note: These are points not percents.

**HOW TO SUCCEED IN THIS COURSE:**

1. Watch me
2. Do your homework
3. Read the book
4. Do your homework
5. See the tutors
6. Do your homework

All special accommodation students: Have someone from your program pick up the test at the classroom door at the beginning of the test period. It is your responsibility to made 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, Phone 304-697-2271 to provide documentation of their disability. For more information, visit

<http://www.marshall.edu/disabled>