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| Instructor: | Carlos Sotuyo | Ref #: | 7132 |
| Office: | 3348 | Term: | Fall 2017 |
| Email: | csotuyo@mdc.edu | Department Phone: | 305-237-2431 |
| Day/Time: | Tues & THURS 1:20 PM – 3:50 PM | Room: | 3333 |

| Office Hours | | | | | | |
|--------------|----------------------|-----------|----------------------|--------|----------|--------|
| Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
| | 8:30 AM- 10:30 AM | | 8:30 AM- 10:30 AM | | | |

Course Description:

Mathematics for Liberal arts is designed for students who are in majors who do not require an algebra approach. The course will cover the basics of geometry, logic, counting principles, probability, and normal distributions. All course competencies can be found at:

http://www.mdc.edu/asa/popups/course_competencies.asp

Text:

Thinking Mathematically, Blitzer, 6th edition

Course Requirements:

MyMathLab Access Code, which can be purchased in the bookstore or online at www.mymathlab.com. Access to the online site, MyMathLab, includes an eBook. Purchasing a hardcopy of the text is optional.

Course ID: sotuyo99872

Attendance:

Attendance will be taken during each class period. Students who miss three or more classes may be withdrawn from the course. If you expect to miss a class or have missed a class for a valid reason, email your instructor.

Classroom Decorum:

In order to optimize your learning experience, classroom interruption must be kept to a minimum. Please make every effort to arrive on time and avoid causing an interruption if you need to leave early. Please turn your cell phone to a silent mode and avoid using it during class. In an emergency, you may excuse yourself and leave the classroom.

Registration and Withdrawal: _____

It is the students' responsibility to make sure they are registered for the course, and not dropped due to late payments or any other circumstances that may have come up. It is also the students' responsibility to drop the course before the drop deadline if they feel they will not be able to complete the course

Academic Dishonesty Policy: _____

If a student is caught cheating, that student will automatically fail the course, and will be referred to the dean. For additional information on academic dishonesty policies, please refer to the [Student's Rights and Responsibilities Handbook](#).

Grading Policy: _____

There will be homework assigned on a weekly basis. All the homework put together will count as a single exam, and in addition to the homework there will be 5 in class exams. All exams and homework will be weighted equally. There will be an optional final exam which replaces the lowest test grade if you decide to take it.

Your grade will be calculated using the following formula:

$$Grade = \frac{HW + T_1 + T_2 + T_3 + T_4 + T_5}{6}$$

No make-up tests will be administered. **No** cell phone can be used as a calculating device.

Your final grade will be distributed according to the following scale:

| | |
|--------------------|---|
| Average of 90-100% | A |
| Average of 80-89% | B |
| Average of 70-79% | C |
| Average of 60-69% | D |
| Average below 60% | F |

Tentative Schedule

Schedule may be changed at the professor's discretion, you're responsible to verify dates and topics.

| Date: | Section: | Topic: |
|----------|-----------|--|
| 10/26 | 10.1 | Introduction to Geometry |
| | 10.2 | Triangles |
| | 10.3 | Polygons |
| | 10.4 | Area and Circumference |
| | 10.5 | Volume |
| 10/31 | Review | |
| 11/2 | Test 1 | |
| 11/2 | 3.1/3.2 | Statements, Negations, and Compound Statements |
| 11/7 | 3.3/3.4 | Truth Tables |
| 11/7 | 3.5/3.6 | Equivalent Stat, Conditional Stat, and De Morgan's Law |
| 11/9 | 3.7 | Arguments |
| 11/9-14 | Review | |
| 11/16 | Test 2 | |
| 11/16 | 2.1 | Introduction to Sets |
| | 2.2 | Subsets |
| 11/21 | 2.3 | Venn Diagrams and Set Operations |
| | 2.4 | Set Operations with 3 Sets |
| | 2.5 | Survey Problems |
| 11/28 | Review | |
| 11/28 | Test 3 | |
| 11/30 | 11.1 | Fundamental Principle of Counting |
| | 11.2/11.3 | Permutations and Combinations |
| 12/5 | 11.4/11.5 | Probability and Probability with Counting |
| | 11.6 | $P(A')$ and $P(A \cup B)$ |
| | 11.7 | $P(A \cap B)$ and $P(A B)$ |
| 12/7 | Review | |
| 12/7 | Test 4 | |
| 12/12 | 12.1 | Frequency Distributions and Histograms |
| | 12.2/12.3 | Measures of Central Tendency and Dispersion |
| | 12.4 | The Normal Distribution |
| | 12.5 | The Standard Normal Distribution |
| 12/14-19 | | Review |
| 12/21 | Test 5 | |

Holidays: 11/23 Thanksgiving

Last day to withdraw: with refund, 11/1; with "W", 11/27 **Final Exam:** 12/19