Instructor: Tom Smith, email: tsmith@wacohi.net

Text: Mathematical Ideas, 13/e by Charles Miller

**Required material:**

1. MyMathLab: You will need a Pearson MyLab/Mastering access code (also known as MyMathLab, MML). Your best option for purchasing the access code are:

* **Buy just the Access Kit**. The text will then be available to you online; this will be your cheapest option if you are comfortable doing your reading on the computer. The access code can be purchased at the bookstore (which may be necessary for you if you are using financial aid), or directly from the website with a credit card (generally a little bit cheaper than purchasing from the bookstore).

To register for the website please go to <http://pearsonmylabandmastering.com> and follow the on-screen instructions. The Course ID # is: **smith24155**

2. Calculator: *Recommended*  TI-36Pro **Note:** TI-36Pro will be used for video demonstrations. Instructions for the TI-83/84 graphing Calculators will also be supplied in the Filled in Notes.

**Prerequisite:** Two years of high school algebra or Math 095 and 098.

**Workload:** As a guideline for success in this (or any other) course, the student should expect to spend 1-2 hours of study time outside of class each week for every credit hour taken. Therefore, for this class the expectation is that the student will spend **at least** 3-6 hours **each week** working on homework, reading the textbook, and studying the material.

**Description:** This course introduces the nature of mathematics through a study of elementary logic, set theory, probability, statistics, geometry, and mathematics of finance. The course will focus on mathematical reasoning and real-life problem solving. This is not intended to be a survey course or a math appreciation course.

**Learning Objectives:**

1. To gain understanding of the basic structure and processes of mathematics.

2. To view mathematics as a logical and precise science with a beauty of its own.

3. To interpret mathematical models such as graphs, formulas, tables, and schematics and to draw conclusions from them.

4. To translate mathematical information symbolically, graphically, and verbally and to use those representations to solve problems.

5. To select and use appropriate mathematical approaches, techniques, and tools to formulate and solve real world problems.

6. To use logical statements and arguments in a real-world context.

7. To estimate, approximate, and judge the reasonableness of solutions and to recognize the use, misuse, and limitations of mathematical data.

**Grade:** Homework 30%, Tests 55%, Comprehensive Final 15%

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| **Grading Scale:**  90% or above A  80%-89% B  70%-79% C  60%-69% D  Below 60% F | \*\*If your grade is within 1% of the next letter grade, I reserve the right to determine whether your grade will be rounded up or not. For example, if you finish the class with an 89.6%, I will determine whether this is an A or a B based on your attendance, participation, and improvement over the course of the semester. |

**Attendance Policy:** This is an online course. It is your responsibility to finish Homework and take the Tests before the due dates. All assignments will be posted in the Pearson MyMathLab site.

**MyMathLab Graded Homework:** Graded homework will be done online through www.mymathlab.com. You should have purchased an access code. **No late homework will be accepted**. Computer/internet problems are not an excuse for not doing your homework. Ample time will be provided.

**Calculator Use:** You will need a calculator for most of the activities in this class. You are responsible for providing that **every day**. I will not provide or loan calculators for any assignments or tests. Calculators may not be shared on quizzes or tests, and any students found sharing will receive a zero on the assignment. Please note that cell phones are not allowed as calculators during class or on any quiz or test, and use of one will result in a zero on that assessment.

**Access Services:** Assistance for students with sensory, physical, mental, health and learning disabilities is available. In order to receive academic accommodations related to their disability, the student must be registered with the Access Services office (Rm. L208). Students receiving services through the office should bring an accommodation form to the instructor explaining their needs such as special testing arrangements. For more information please contact Terri Ingles, Coordinator of Access Services at 694-5749.

* Contact me with questions or concerns that may arise. I am here to facilitate your learning, and I want you to be successful in this class. I prefer to be contacted via e-mail and will contact you this way as needed. Please check your e-mail set-up so that my e-mails are not blocked. Also, be sure that the email address in MyMathLab is your preferred email address as this is how I will send out future class emails.
* Don’t participate in any form of academic misconduct, including cheating, plagiarism, obtaining a test prior to its administration, or unauthorized use of aides. Academic misconduct will, as a minimum, result in an automatic zero for the assignment, and may also result in academic suspension or failure of the course. See the ICC catalog or Student Handbook for specific information.

**Official Attendance Policy – From ICC Student Handbook (N/A- Online course)**

Students must be officially enrolled prior to attendance in any class. Regular attendance at all class and laboratory sessions is expected of all students. Faculty members may establish attendance policies and/or make-up procedures for their classes. It is the student’s responsibility to be aware of attendance policies and make-up procedures. Excessive absence is the most common cause of failing grades. As a College guideline, absences in excess of 5% of total number of scheduled class sessions are considered excessive. In case of prolonged illness, accident, hospitalization, or family problems, students should notify Health Services so proper notification can be made to instructors.



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