

# Math 1351.3 – Fundamentals of Mathematics II

## Odessa College Spring 2013

### Dr. Christopher Walker

#### Course Information:

- Course: Fundamentals of Mathematics II
- Days/Times: MWF 10:00am – 11:00am
- Room: ET 213
- Start Date: January 22<sup>nd</sup>, 2013
- End Date: May 13<sup>th</sup>, 2013

#### Professor Information:

- Office: ET 107
- Office Hours: MWF 11:00am-12:00pm, MW 1:00pm-2:30pm, TR 10:00am-11:00am.
- Phone: 432-335-6637
- Email: [cwalker@odessa.edu](mailto:cwalker@odessa.edu)

**CATALOG DESCRIPTION:** Concepts of elementary and non-Euclidian geometry, probability, and statistics, as well as, applications of the algebraic properties of real number to concepts of measurement with emphasis on problems solving and critical thinking. This course is intended for students who are planning on majoring in Elementary Education, especially designed for those students who seek 4-8 grade teacher certificates.

**TEXTBOOK:** There are two (2) *Required* materials for this class.

- **MyMathLab** Access
- **Mathematics Activities for Elementary School Teachers**  
Dolan/Williamson/Muri  
11<sup>th</sup> Ed., 2013, Pearson (Addison Wesley)

The MyMathLab content is based on the following textbook, which is *recommended*:

- **A Problem Solving Approach to Mathematics for Elementary School Teachers**  
Billstein/Libeskind/Lott  
11<sup>th</sup> Ed., 2013, Pearson (Addison Wesley)

**LEARNING OUTCOMES:** After completing this course, the student should be able to demonstrate competency in the following areas.

- Probability
- Data Analysis/Statistics: An introduction.
- Introductory Geometry
- Constructions, Congruence, and Similarity
- Concepts of Measurement
- Motion Geometry and Tessellations

**Homework:** Homework will be a combination of questions from the textbook on **MyMathLab** and pages from the workbook. These two different types of assignments serve different purposes. The assignments from the textbook serve to reinforce the mathematics content knowledge, while the workbook activities provide a variety of methods and ideas for passing this knowledge on to elementary school students. The homework for this class can be accessed through the Course Compass

website at <http://pearsonmylabandmastering.com>. The Course ID for this class is **walker16876**. There will be an assignment for each section of the book covered. Computer access is available several places on campus including the Math Lab (ET120) and the Learning Resource Center (Which is open 7 days a week).

**Exams:** There will be 4 exams for the class and 1 final exam which will cover all 6 chapters. The exam schedule will be as follows:

- Exam 1: Friday, February 15th
- Exam 2: Friday, March 2nd
- Exam 3: Friday, April 19th
- Exam 4: Wednesday, May 8<sup>th</sup>
- Final Exam: Monday, May 13<sup>th</sup> 11:00am-1:30pm

**Course Grades:** Grades will be given based on the percentage of total possible points earned during the class. Each part of the class is weighted as follows:

Homework/Workbook:	40%	Chapter Exams:	40%	Final Exam:	20%
--------------------	-----	----------------	-----	-------------	-----

**Attendance:** Although attendance does not factor into the final course grade, attendance will be taken at the beginning of each class period.

**Tutoring:** There are tutoring services available through the Math Lab in ET 120, and through the Student Service Center (SSC) in the Learning Resource Center.

**Special Needs:** Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

**Learning Resource Center (The Library):** The Library, known as the Learning Resources Center, provides research assistance via the LRC's catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian" service provide additional help.

**Student Email:** Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

**Technical Support:** For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).

**Important School Policies:** For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or students' and instructors' right to academic freedom can be found in the Odessa College Student Handbook.

## **Expectations for Engagement – Face to Face Learning**

To help make the learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the learning environment. Students and instructors are welcome to exceed these requirements.

### **Reasonable Expectations of Engagement for Instructors**

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
  - provided my contact information at the beginning of the syllabus;
  - respond to all messages in a timely manner through telephone, email, or next classroom contact; and,
  - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.
2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
  - provide clear information about grading policies and assignment requirements in the course syllabus, and
  - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.
3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
  - return classroom activities and homework within one week of the due date and
  - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

### **Reasonable Expectations of Engagement for Students**

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
  - attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
  - recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,
  - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet service is unreliable.
2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to,
  - missing class when a major test is planned or a major assignment is due;
  - having trouble submitting assignments;
  - dealing with a traumatic personal event; and,
  - having my work or childcare schedule changed so that my classroom attendance is affected.
3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
  - seek out help from my instructor and/or from tutors;
  - ask questions if I don't understand; and,
  - attend class regularly to keep up with assignments and announcements.