

# **Math 1351 – Fundamentals of Mathematics II**

## **Odessa College Spring 2012**

### **Dr. Christopher Walker**

#### **Course Information:**

- Course: Fundamentals of Mathematics II
- Day/Time: MWF 10:00am – 10:50am
- Room: ET 109
- Start Date: January 18th, 2012
- End Date: May 7th, 2012

#### **Professor Information:**

- Office: ET 107
- Office Hours: MW 12:00pm-1:00pm and 3:00pm-5:30pm, TR 11:00am-12:30pm.
- 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. (SCANS 3, 8, 9, 11)

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

- **A Problem Solving Approach to Mathematics for Elementary School Teachers**  
Billstein/Libeskind/Lott  
10<sup>th</sup> Ed., 2010, Pearson (Addison Wesley)
- **Mathematics Activities for Elementary School Teachers**  
Dolan/Williamson/Muri  
10<sup>th</sup> ED., 2010, 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 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.

**Notebook:** Students will be required to keep all homework and workbook pages in a 3-ring binder. This notebook will be graded periodically. More information on the notebook will be provided in class.

**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 10th
- Exam 2: Friday, March 9th
- Exam 3: Wednesday, April 4th
- Exam 4: Friday, April 27th
- Final Exam: Monday, May 7th 11:00am-1:30pm

Students will be given sufficient notice of any date changes for these exams.

**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:

Notebook: 40%	Chapter Exams: 40%	Final Exam: 20%
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**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.