

Course: Fundamentals of Mathematics  
 When and where: MWF 10:00 - 10:50, ET P1  
 Start: : 22 Aug. 2011; End: 7 Dec. 2011  
 Delivery method: lecture

Instructor: Jim Camp  
 Office: ET 108A Phone: 335-6541 E-mail: jcamp@odessa.edu  
 Office hours: MWF: 8 – 9; MW: 4 – 5:30; TTh: 8 – 9:30; 11 – 11:30; or by appointment

Course description : Concepts of sets, functions, numeration systems, number theory, and properties of natural numbers, integers, rational and real number systems with an emphasis on problem solving and critical thinking. This is intended for students who are planning on majoring in Elementary Education and is especially designed for those students who seek 4-8 grade teacher certifications. (SCANS 3,8,9,11)

#### Learning outcomes

After completing this course, the student should be able to demonstrate competency in those competencies listed for the course.

Text: A Problem Solving Approach to Mathematics for Elementary School Teachers by Billstein, Libeskind and Lott.

Material to be covered: Chapters 2 – 8 (parts)

Exams: there will be four 100 point exams and a final exam.

#### Tentative exam schedule

Date	Test	Chapter
Sep. 9	1	2, 4.3
Sep. 28	2	3
Oct. 21	3	5
Nov. 16	4	6, 7
Dec. 5 11AM	Final	Comprehensive

I reserve the right to make changes in this schedule. There will be no make up exams. Use of cell or smart phones on exams is not allowed.

Homework: homework will be assigned and taken up daily. Homework will always be due at the beginning of each class period. Late homework will receive one half credit. No homework will be accepted more than a week late. Your homework average will be 16% of your grade.

Outside paper: once during the semester, you must visit a math class, grade 3 to 6, and observe the teacher conducting the class. You should stay for the entire class. You will then write a one page (minimum) summary of what you observed in the class. You will need to contact a principal and teacher in an elementary school or middle school to arrange this. You may do this anytime during the semester. Your paper will be due by November 21. Your paper will be worth 16% of your grade.

Determination of your grade: at the end of the semester, you will have four exam grades. I will drop the lowest exam grade, then add your homework average, your grade on your paper, and your final exam grade. Each exam is worth 16% of your grade, and the final is 16% of your grade.

Course grade: I will assign a grade according to the following schedule:

Average	Grade
90 – 100	A
80 – 89	B
70 – 79	C
60 - 69	D
0 - 59	F

Other rules:

1. No use of a cell or smart phone. Turn it off. I do not want to hear a cell phone ring during class. Do not do text messaging or read email during class. If you use a phone in class, you will receive a zero for the class.
2. No eating during class. You may bring a drink, but no food

### **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](http://www.odessa.edu/gmail/), 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.**

### **Student Portal**

### **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 student's and instructors' right to academic freedom can be found in the Odessa College Student Handbook.

