

**MATH 830-09**  
**ELEMENTARY ALGEBRA**

**Meets:** Tuesday & Thursday **Time:** 11:00AM-12:45PM

**Room:** OC3509

**INSTRUCTOR CONTACT INFORMATION AND OFFICE HOURS**

**Instructor:** Shannon Gracey

**Phone:** 760-757-2121 ext. 6306

**e-mail:** [sgracey@miracosta.edu](mailto:sgracey@miracosta.edu)

**Office Hours:**

Mondays and Wednesdays: 11:00AM-12:00PM

Or you may make an appointment by phone or e-mail me, using the contact info written above.

**COURSE MATERIALS**

**Required Text:** Introductory and Intermediate Algebra: 3<sup>rd</sup> Edition, by Blitzer

**Calculator:** A scientific calculator is REQUIRED. Cell phone calculators and iPod Touch *may not be used* on exams.

**PREREQUISITES**

The prerequisite for Math 100 is completion of Math 820 with a grade of "C" or better, or a qualifying score on the Math Competency Exam (MCE).

**COURSE DESCRIPTION**

Designed to prepare students for Intermediate Algebra. Elementary Algebra teaches simplifying algebraic expressions involving polynomials and rational terms; factoring; solving linear equations; solving quadratic equations using factoring; analyzing graphs of linear equations; and solving applied problems. This course will also include an introduction to algebraic operations with rational expressions.

**STUDENT LEARNING OUTCOMES**

Upon successful completion of Math 103, the student should be able to:

- (1) Students will be able to make use of factoring techniques to perform algebraic computations with rational algebraic expressions, simplifying results.
- (2) Students will be able to translate applied problems involving geometry into computational problems involving a variable and solve.
- (3) Students will be able to verify solutions to applied problems.

## COURSE OBJECTIVES

At the end of this course you should be able to...

- (1) evaluate and simplify algebraic expressions using the rules of exponents, order of operations, combining like terms, and the distributive property
- (2) add, subtract, multiply and divide using either monomials or polynomials;
- (3) solve a linear equation or inequality and check the solution;
- (4) analyze verbal problems, model with appropriate equations, substitute the known values, solve the resulting equations, and interpret the result in the context of the problem;
- (5) factor polynomials;
- (6) simplify, multiply and divide rational expressions;
- (7) graph first degree equations in two variables;
- (8) write an equation for a given line, identify the slope of a line; and
- (9) solve quadratic equations by factoring.

## QUESTIONS

Questions are an important part of the learning process. If you have a question, please feel free to ask me at any time! If you have a question, there are probably at least 5 other students with the same question. If I cannot answer your question immediately, I will come back to it ASAP.

## HOMEWORK

- Homework will be collected on exam days at the beginning of the class.
- Homework is graded on completeness.
- I will provide homework packets. You must show all work to be awarded full credit! I recommend that you work additional problems from the textbook in addition to the packets.
- In order to be successful in this course, **YOU MUST PRACTICE MATH PROBLEMS!!!**
- **No late homework will be accepted.**

## EXAMS

- There will be 5 exams. Your lowest exam will be dropped. There are **NO MAKE-UPS FOR ANY REASON!**
- Some of the exams may not allow the use of a calculator.

## ATTENDANCE & TARDIES

Each student is responsible for his/her registration in classes. Each student must attend the first class meeting or make arrangements with the instructor if he/she is

going to be absent. Failure to attend the first class meeting or excessive unexcused absences, that is, more than 8 hours of missed class time, may result in a student being dropped from this class.

### **DISABILITY SUPPORT SERVICES (DSS)**

DSS provides programs and services for students with disabilities. MiraCosta College recommends that students with disabilities discuss academic accommodations with their professors during the first two weeks of class. This syllabus and course handouts are available in alternate media upon request.

### **TUTORING**

The Tutoring & Academic Support Center (TASC) is committed to enhancing student retention and success by providing assistance to students through innovative academic support services. TASC offers a comprehensive, free peer tutoring program for any student enrolled in credit courses at MiraCosta college. Tutoring is available in the Library and Information HUB on the 1st Floor.

### **BEHAVIOR**

- **CHEATING ON ANY TEST OR QUIZ WILL EARN A GRADE OF F!!!**
- **PLAGIARISM (COPYING) OF OTHER PEOPLE'S WORK IS NOT ACCEPTABLE.** Any person caught doing this will get an F on the assignment or test in question and can also potentially be given a grade of F for the course and/or be referred to the college discipline process.
- You may not use your cell phone during class at any time.
- During class your cell phone/pager should be off.
- If you know you need to leave class early, or if you arrive late, take a seat near the door.
- **RESPECT YOUR FELLOW STUDENTS AT ALL TIMES!!!**

### **GRADING**

<b>Exams</b> (5—NO MAKE-UPS, LOWEST SCORE IS DROPPED).....	<b>60%</b>
<b>HOMEWORK</b> (NO LATE ASSIGNMENTS ACCEPTED).....	<b>10%</b>
<b>Final</b> (CUMULATIVE).....	<b>30%</b>

A: 90%—100% B: 80%— 89% C: 70%— 79% D: 60%— 69% F: 59% and below  
*Final grades are left to the discretion of the instructor.*

GRACEY/MATH 830-09 TENTATIVE FALL 2011 SCHEDULE

MONTH	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
AUGUST	22	23	24	25
		Intro, 1.1-1.2		1.3-1.5
AUGUST/SEPTEMBER	29	30	31	1
		1.6, 1.7		1.8, 2.1
SEPTEMBER	5	6	7	8
	HOLIDAY	2.2, 2.3		REVIEW
SEPTEMBER	12	13	14	15
		EXAM 1/ CH. 1-2.3		2.4, 2.5
SEPTEMBER	19	20	21	22
		2.6, 2.7		3.1, 3.2
SEPTEMBER	26	27	28	29
		3.3, 3.4		3.5, REVIEW
OCTOBER	3	4	5	6
		EXAM 2/CH. 2.4-2.7, CH. 3		4.1, 4.2
OCTOBER	10	11	12	13
		4.3, 4.4		4.5, REVIEW
OCTOBER	17	18	19	20
		EXAM 3/CH. 4		5.1, 5.2
OCTOBER	24	25	26	27
		5.3, 5.4		5.5, 5.6
OCTOBER/NOVEMBER	31	1	2	3
		5.7, REVIEW		EXAM 4/CH. 5
NOVEMBER	7	8	9	10
		6.1, 6.2		6.3
NOVEMBER	14	15	16	17
		6.4, 6.5		6.6
NOVEMBER	21	22	23	24
		7.1		HOLIDAY
NOVEMBER/DECEMBER	28	29	30	1
		7.2, 7.3		REVIEW
DECEMBER	5	6	7	8
		EXAM 5/CH. 6, 7.1- 7.3		REVIEW
DECEMBER	12	13	14	15
				FINAL (10:30AM- 12:30PM)

**IMPORTANT DATES**

Aug. 22	First day of fall classes Last day to add fall full semester classes with instructor permission
Sept. 2	Financial Aid add/drop deadline for fall Last day to drop fall full semester classes and receive a refund Last day to drop fall full semester classes with no grade place on permanent record (Note: College offices are closed on Saturdays)
Sept. 5	College closed - Labor Day (Legal Holiday) Last day to file petition for degree/certificate for fall
Sept. 23	Last day to petition for pass/no pass grading option for fall full semester classes Last day to file petition for Directed Studies for fall
Sept. 30	Last day to file petition for Credit by Institutional Examination for fall
Nov. 11	Veterans Day (Legal Holiday) Last day to DROP fall full semester classes with option of "W" grade (unless an instructor has set an earlier date)
Nov. 18 *	(this date may change based on changes to the college calendar.)
Nov. 24-27	College closed – Thanksgiving
Dec. 12-17	Final examinations (tentative)