

MATH 20-07
BASIC COLLEGE MATHEMATICS

Meets: Tuesday and Thursday

Time: 9:30-10:45

Room: 571

COURSE DESCRIPTION

Provides a review of elementary mathematics designed to upgrade computational skills in preparation for other mathematics classes. Includes operations with whole numbers, fractions, decimals, percentages, ratio and proportions, English and metric measurements, and geometry.

STUDENT LEARNING OUTCOMES

Upon successful completion of Math 20, the student should be able to:

- π Perform calculations with, convert between, or compare common fractions, decimals and percents in the context of applications without a calculator.
- π Solve geometric problems involving perimeter, circumference, area and volume without a calculator.
- π Choose the correct arithmetic operation and perform the calculations required to solve applied problems without a calculator.
- π Evaluate and perform order of operations on simple arithmetic expressions without a calculator.

INSTRUCTOR CONTACT INFORMATION AND OFFICE HOURS

Instructor: Shannon Gracey **Phone:** 619-421-6700 ext. 5517

e-mail: sgracey@swccd.edu **website:** www.swccd.edu/~sgracey

Office Hours: Room 320D, MW 10:15-11:55, F 10:15-11:05 or you may make an appointment by calling or e-mailing me, using the contact info written above.

COURSE MATERIALS

Required Text: Basic College Mathematics by Lial, Salzman, 8th Ed.

Calculator: NO CALCULATORS ARE ALLOWED AT ANY TIME!!!

ATTENDANCE & TARDIES

I will drop students who do not attend class on a regular basis.

- π If you have more than three hours of unexcused absences, you will be dropped and receive a "W" or "NC" depending the date dropped.
- π If you have more than six hours of absences (combined excused & unexcused), you will be dropped and receive a "W" or "NC" depending the date dropped.

- π Arriving late or leaving early may be counted as an absence.
- π Excessive tardiness (more than 3) will result in being dropped from the class per SWC catalog conditions.
- π Each student is responsible for his/her registration in classes.
- π Each student must attend the first class meeting or make arrangements with the instructor if he/she is going to be absent.

HOMWORK

Homework will be collected on quiz days at the beginning of the class. Homework is graded on completeness. Each new assignment must be started on a new paper, be clearly labeled with the chapter, section, and assignment, and stapled. Graphs must be on GRAPH PAPER! In order to be successful in this course, **YOU MUST PRACTICE MATH PROBLEMS EVERY DAY!!! No late homework will be accepted.**

EXAMS

- π Exams will all be cumulative. There are no make-up exams regardless of the reason.
- π Though no exams are dropped, your lowest exam score may be replaced by your earned homework percentage if you have not missed more than three class meetings. (The comprehensive final cannot be dropped).
- π No calculators, no notes, and no textbook allowed.

CLASS PROCEDURE & PARTICIPATION

You are expected to arrive on time and attend all class meetings. Any homework questions will be covered at the beginning of class (except when there is an exam). If you have lots of questions, go to the math lab, room 426, or come to office hours.

DISABILITY SUPPORT SERVICES (DSS)

DSS provides programs and services for students with disabilities. Southwestern 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 AND ACADEMIC SUCCESS CENTER REFERRAL

To further your success, reinforce concepts, and achieve the stated learning objectives for this course, I refer you to Academic Success Center learning assistance services. You will be automatically enrolled in NC 3: Supervised Tutoring, a free noncredit course that does not appear on your transcripts. Services are located in the ASC (420), the Writing Center (420D), the Reading Center (420), Math Center (426), the Library/LRC Interdisciplinary Tutoring Lab, MESA (396), specialized on-campus School tutoring labs, the Higher Education Center, and the San Ysidro Education Center. Online learning materials and Online Writing Lab (OWL) are available at www.swccd.edu/~asc.

CLASSROOM GUIDELINES

Your decision to enroll in this class constitutes an implicit agreement to the following:

- π You will conduct yourself so that the classroom is a positive learning environment for all by treating everyone with respect and consideration.
- π You will plan to attend every class meeting and stay for the entire class period. You will not be absent more than the maximum number allowed during the course of the semester. Once you have missed the maximum number of classes, I will drop you. Do not assume that you will be dropped if you do not attend classes. To ensure that you are withdrawn, you must officially withdraw online, in person, or by telephone. Failing to drop a class in a timely manner may earn you a failing grade in the class.
- π You will do the assigned work and be responsible for all class work or assignments even if you miss school for a legitimate reason. It is not acceptable to return to class following an absence and claim that you did not know about some assignment, class activity, or exam. Find out what you missed before returning and get caught up.
- π You accept the expectation to spend a minimum of two hours outside of class for every hour that the class meets during the week and will plan your schedule accordingly. This means that a 4-unit class requires 8 hours of work outside of class. More or less time may be required depending on how quickly and thoroughly you work.
- π You will come to class on time. Excessive tardiness may result in you being dropped from the class. Excessive tardiness is defined as arriving late to class more than 3 times after the first two weeks of the semester.
- π You will turn off your pager, cell phone, iPods and/or any other electronic devices; take notes; be attentive; participate in classroom activities; and not disrupt the rest of the class. There is no excuse for excessive talking. Dismissal from the class may result if your behavior continues to be disruptive after being warned. If you answer a phone or pager during class, you will be asked to leave and not return until the following class.
- π Books, notebooks, and supplies are not optional and should be brought to class every day. If you cannot afford the textbooks, copies are on reserve in the library. You may check them out from the Reserve Desk for one hour at a time, and copiers are available if needed.

MISCONDUCT

Faculty may require a student who disrupts the classroom to meet with the Dean of MSE prior to the next class meeting. Instructors may exclude a student for up to two class meetings due to misconduct. Further disciplinary action may be pursued by the instructor or college administration.

- π **Academic cheating and plagiarism.** Academic dishonesty of any type by a student provides grounds for disciplinary action by the instructor or college. Students (both the giver and the receiver) involved in cheating and/or plagiarism will receive a zero on that exam (this exam cannot be dropped) and, at the discretion of the instructor, earn a failing grade in the class. Academic dishonesty of any type such as cheating and plagiarism can result in one or all of the following: a failing grade on the assignment, a failing grade in the class, and/or formal disciplinary action by the college.
- π Disruption of instructional activities or administrative procedures. Continued disruptive behavior, continued willful disobedience, habitual profanity or vulgarity, or the open and persistent abuse of college personnel.
- π Use, sale, possession on campus or campus premises, or under the influence of alcoholic beverages, narcotics, other hallucinogenic drugs or substances, or any poison classified as such by schedule "D" in Section 4160 of the Business and Professions Code.
- π Alteration or misuse of college documents, including acts of forgery and furnishing false information.
- π Acts or threats of damage to or theft of property belonging to or located on college-controlled property or facilities.
- π Acts or threats of physical abuse of any person. Assault or battery upon any student, college personnel, authorized college guest, or any other person.
- π Violation of college regulations or state laws.
- π Also, see course catalog regarding student conduct.

GRADING

Exams (5—NO MAKE-UPS ARE GRANTED)	75%
HOMEWORK (NO LATE ASSIGNMENTS ACCEPTED).....	5%
Final (CUMULATIVE).....	20%
C: 70%—100% NC: 69% and below	
<i>Final grades are left to the discretion of the instructor.</i>	

As a final note: To be successful in this course, it is recommended that you spend 2 hours outside of class for every hour in class.

STUDENT LEARNING OBJECTIVES

1. Student will perform addition, subtraction, multiplication and division of whole numbers while following the order of operations.
2. Student will read and write numbers accurately, identify place values and round numbers correctly.
3. Student will perform operations with fractions and read, interpret and solve application problems.
4. Student will perform operations with decimals and read, interpret and solve application problems.
5. Student will convert decimals to fractions, decimals to percents, percents to fractions and vice versa.
6. Student will identify, describe, and simplify ratios and rates.
7. Student will set-up a proportion to solve application problems.
8. Student will perform operations with percents and read, interpret and solve application problems.
9. Student will perform conversions within the English system of measurement and conversions within the metric system.

Please return this page to Ms. Gracey on the second day of class. Be sure to print your name clearly so that I can give you credit.

I, _____, have read the course syllabus. I understand that I am required to follow the policies outlined in the syllabus. I also understand that this course will require approximately 6-10 hours of productive study time **outside of class** in order for me to have a chance of successfully completing this course. I understand that I must complete the homework in order for me to have a chance of successfully completing this course.

Signature

Date

TENTATIVE SCHEDULE
FALL 2009
MATH 20-07

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
AUGUST	17	18 Intro, 1.1, 1.2	19	20 1.3, 1.4, 1.5	21
AUGUST	24	25 1.6, 1.7	26	27 1.8, 1.9	28 5.8 SAT. 8/29 IS THE LAST DAY TO ADD OR WITHDRAW W/REFUND
AUGUST/ SEPTEMBER	31	1 1.10, review	2	3 EXAM 1/ CH. 1.1-1.10	4
SEPTEMBER	7 HOLIDAY	8 2.1, 2.2, 2.3	9	10 2.4, 2.5	11 LAST DAY TO DROP W/O RECEIVING A W OR APPLY FOR C/NC—3PM
SEPTEMBER	14	15 2.6, 2.7, 2.8	16	17 3.1, 3.2	18
SEPTEMBER	21	22 3.3, review	23	24 EXAM 2/ CH. 2.1-2.8, 3.1-3.3	25
SEPTEMBER/ OCTOBER	28	29 3.4, 3.5	30	1 4.1, 4.2, 4.3	2
OCTOBER	5	6 4.4, 4.5, 4.6	7	8 4.6	9
OCTOBER	12	13 4.6, review	14	15 EXAM 3/ CH. 3.4, 3.5, 4.1-4.6	16
OCTOBER	19	20 5.1, 5.2	21	22 5.3, 5.4	23
OCTOBER	26	27 5.5, 6.1	28	29 6.2, 6.3	30 DEADLINE TO PETITION FOR FALL GRADUATION
NOVEMBER	2	3 6.4, 6.5	4	5 6.6, review	6 LAST DAY TO DROP AND RECEIVE A W— 3PM
NOVEMBER	9	10 EXAM 4/ CH. 5.1-5.5, 6.1-6.6	11 HOLIDAY	12 7.1, 7.2	13
NOVEMBER	16	17 7.3, 7.4	18	19 8.3, 8.4	20
NOVEMBER	23	24 8.5, 8.6	25	26 HOLIDAY	27 HOLIDAY
DECEMBER	30	1 8.7, review	2	3 EXAM 5/ CH. 7.1-7.4, 8.3-8.7	4
DECEMBER	7	8 REVIEW FOR FINAL	9	10 NO CLASSES	11 NO CLASSES
DECEMBER	14	15	16	17 FINAL 8AM-10AM	18