Math 102 – COLLEGE ALGEBRA – Spring 2008 – 16382 & 17600

These sections do not have any supplemental instruction sessions, unlike most sections of Math 102. Keep this in mind when evaluating your schedule.

INSTRUCTOR: C. A. Spengel
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OFFICE HOURS: 20:15-21:00 TR @ JR221 also T 12:15-1, W 20:15-21:00 @ SH274 & by appt.

TEXT: COLLEGE ALGEBRA*, eighth EDITION, by SULLIVAN, as bundled ("Valuepack") at CSUN bookstore. (A specially produced and priced package is being sold through the CSUN bookstore only, "Second Custom Edition" which includes the abbreviated softcover text and "Essential Skills" pamphlet.)*

ABOUT THE CLASS: Math 102 is the algebra portion of pre-calculus. Along with Math 104 (trigonometry) it is designed to prepare students for a rigorous study of calculus. In Math 102 students will learn to:
•Represent, understand & explain mathematical information symbolically, graphically, numerically & verbally.
•Develop mathematical models of real-world situations & explain the assumptions & limitations of models.
•Interpret mathematical models by making predictions, drawing conclusions, checking whether results are reasonable, and finding optimal solutions.
•Demonstrate an understanding of the nature of mathematical reasoning.
These objectives will be assessed by written examination, on-line and written quizzes, graded homework, and class projects. Math 102 topics include functions (linear, quadratic, polynomial, rational, exponential, logarithmic), equations and inequalities, theory of zeros of polynomials, modeling, systems of equations and inequalities, matrices, linear programming, and mathematical induction. The prerequisite for Math 102 is a passing score on or an exemption from the ELM, or Credit in Math 093.

SYLLABUS: The department-mandated coverage WILL BE MOST OF CHAPTERS 3—6 & 8 (details below). If you would like to get a jump-start (excellent idea!), you should peruse/ review Chapters 1 and 2. The material in these chapters is assumed to have been covered in high school algebra– see notes under COMMENTS (below) regarding further review materials provided in the Valuepack.

ATTENDANCE: At each class meeting you will be informed of work due dates, and what sections will be covered during the next class meeting. Your mastery of the material will be greatly enhanced (and made easier) if you READ THE MATERIAL AND ATTEMPT TO WORK THE EXAMPLES YOURSELF PRIOR to each class meeting. This section of Math 102, unlike most others, has NO supplemental instruction session. This means that a lot of material must be covered in class, and you must be prepared well for each class meeting. Attendance is so important you will earn points just for being there! (Sign in each class meeting.)
Note: During Spring 2008 semester, CSUN holidays are Jan 21 and Mar 31 and Mar 17-22, ONLY.

HOMEWORK & MINI-QUIZZES:
Practice is necessary. Homework will be due on a regular basis, some will be collected and graded. MyMathLab, a publisher-hosted service, may help you work through the text problems. Weekly quizzes will be entered on-line using WeBWork, a web-based CSUN-hosted service. Some quizzes may be given in class as well. Homework, attendance and mini-quizzes comprise 10% of your grade.

CHAPTER QUIZZES AND TESTS:
There will be four chapter quizzes* (total 15%), and three tests (45%): 60% of grade.
Chapter quizzes may be set up on WeBWorK or may be scheduled for time in class.
NO makeup tests; your lowest test score or quiz total is dropped.

FINAL EXAM: You will take a cumulative/comprehensive common* final exam. 30% of grade.* Students in all sections of Math 102 will take the common final on Saturday, May 10, 2008, at 9:00-11:00 AM PDT.

GRADES: Letter grades (including + & -) will be assigned at the end of the semester based on percentage of points earned: 90% ⇨ A 80% ⇨ B 70% ⇨ C 50% ⇨ D (Guaranteed except for exceptions below.) Exceptions may be made for those whose grades exhibit improvement throughout the semester, including the final exam. Academic dishonesty, or cheating,** on any quiz, test or exam merits an F for the course. (**See http://www.csun.edu/a&r/soc/studentconduct.html - behaviors, particularly items 1 and 20.)

MISCELLANY:
• All written work must be neat, organized, legible and appropriately labeled with name and § and problem numbers; *unidentified work will receive no credit*.
• Calculators are NOT permitted on quizzes or tests, but may be used on a few homework problems.

• Class participation is welcome. Behavior appropriate to a university classroom is required.
• The following are NOT accepted: miniature, oversize, day-glo, or torn-spiral paper. Day-glo pen. Writing too faint to be read under artificial light. Illegible writing.
• There are no makeups for late homework or quizzes. NO makeup tests; your lowest test score is dropped.

COMMENTS:
Office hours are offered after 8:15 PM at JR221, for your convenience. If you have trouble with a topic, do not delay seeking help. *Additional help is available . . .*
(1) The "Valuepack" includes
CSUN-specific version of the text, a study quide called Essential Skills. It *may* include an ACCESS CODE for MyMathLab (MML), where you can get help understanding problems, and where you will take QUIZZES. Your access code will also provide access to the publisher's Tutorial Center.
If you already have a copy of the text, or are sharing a text, you may wish to purchase license for access to MML. The MML site includes features which guide you through the problems... good for getting started, not good for preparing for a test.

(2) At the Math Lab in the LRC—
Learning Resource Center (BH 417) - tutorial by appointment
More info here Math Tutorial Lab—drop-in tutoring SH274: Mon-Th 10-5, Fri 10-3, Sat 11-2

Developmental Math Tutorial Lab (BH 400) - drop-in tutorial Science/Math/EOP advisement center (EH2126) - tutorial by appointment

(3) Consider forming a study group with classmates, or students from other sections of Math 102.
This course includes more material than can be covered in class time since you must use skills previously learned *(or not)*. As a college student, you are expected to fill in the gaps- but help is available from all the above-named sources.

Do not assume that you know the material just because it looks familiar or easy in class.
Try the homework exercises as early as possible each week, even before covered in class.
Don't let problems "slide", keep your studies up to date, and make this a successful semester!

IMPORTANT:

PLEASE READ the open letter to Math 102 students Linked to the online syllabus.
Instructions - How to Register for MyMathLab and WeBWorK Instructions are available on the Math 102 NOTICES page.

ANTICIPATED SCHEDULE (dates subject to change):

Week	Dates	What	
1	1/22-25	Intro, §§3.1, 3.2, 3.3	Do exercises listed below. Also log into WeBWorK (see LINK to same on Math 102 Notices page), do Set 00.
2	1/28-2/1	§§3.4, 3.5	
3	2/4 - 2/9	§§3.6, 4.1 Quiz Chapter 3	
4	2/11-2/15	§§4.3, 4.4, 4.5	
5	2/18-2/22	§5.1, TEST #1	
6	2/25-2/29	§§5.2, 5.3, 5.4	
7	3/3 - 3/7	§§5.5, 5.6, Quiz	
8	3/10-3/14	§§5.6, 6.1, 6.2, Quiz	
	3/17-3/21	Spring Break	
9	3/24-3/28	§§6.3, TEST #2	
10	3/31-4/4	§§6.4, 6.5	
11	4/7 - 4/11	§§6.6, 6.8	
12	4/14-4/18	§§8.1, 8.2	
13	4/21-4/25	§§8.6, 8.7	
14	4/28-5/2	§§8.7, 8.8, TEST #3	
15	5/5 - 5/9	§9.4, Review	
	5/10	FINAL EXAM, Saturday, May 10, 2008, 9:00 AM PDT	

NOTE COMMON FINAL is SATURDAY May 10: 9-11AM - Location to be announced.
Anyone unable to take the final on this date and time must make alternate arrangements in advance.

HOMEWORK EXERCISES: *The following list contains homework exercises from the text. Following are subject to minor changes. WeBWorK exercises are additional, approximately 10-20/week.*

§	Exercises (in addition to "Are you prepared?" and "Concepts and Vocabulary" exercises)	
3.1	# 15, 19, 23, 27, 33, 35, 39, 43, 47, 51, 55, 59, 61, 65, 67, 73, 75, 81, 87, 93	§3.1 p219 p220 p221
3.2	# 9, 13, 15, 19, 23, 25, 39, 41	§3.2 p227 p228
3.3	# 11-19odd, 21, 23, 25, 29, 31, 33, 41, 53	§3.3 p238 p239 p240
3.4	# 9-16, 17, 21, 25, 29, 33, 37, 41, 47, 48	§3.4 p248 p249 p250
3.5	# 7-18, 19, 21, 23, 25, 27, 31, 35, 39, 41, 43, 47, 57, 65	§3.5 p261 p262
3.6	# 1ab, 5, 7ab, 11ab, 13-21odd	§3.6 p267 p268 p269
4.1	# 13, 17, 20, 21, 25, 27, 29, 31, 33, 36, 37, 47, 52	§4.1 p284 p285 p286
4.2	not covered	
4.3	# 11-18, 27, 31, 33, 35, 43, 47, 53, 61, 81, 83	§4.3 p302 p303 p304
4.4	# 3, 7, 9, 11, 15, 17set-up only, 19	§4.4 p310 p311 p312 p313
4.5	# 3-6, 9, 13, 20, 33	§4.5 p316 p317
5.1	# 11-21 odd, 23, 29, 31,37, 39, 43, 45, 53, 55, 57-61, 67, 77	§5.1 p339 p340 p341 p342
5.2	# 13, 17, 19, 23, 25, 31, 35, 39, 41, 43, 45, 51	§5.2 p352 p353 p354
5.3	# 7, 11, 13, 15, 33, 41	§5.3 p366 p367
5.4	# 5, 13, 17, 21, 23, 27, 29, 37, 45	§5.4 p373 p374
5.5	# 11, 15, 21, 33, 37, 45, 47, 51, 57, 65, 79, 103, 107	. . . Get the book.
5.6	# 7, 11, 17, 21, 23, 25, 33, 35	
6.1	# 1-7, 9, 11, 19, 21, 27, 33, 35, 45, 47, 50, 52, 53, 55	
6.2	# 9, 11, 13, 17, 19, 25, 27, 41, 43, 45 (end of part one)	
6.2	# 31, 49, 63, 71, 73, 75, *95 (end of part two)	
6.3	# 1-11, 21, 25, 29-32, 37, 45, 49, 53, 57, 59, 65, 77, 87, 93	
6.4	# 1-9, 17, 25-28, 31, 35, 37, 39, 59, 63-71, 77, 87, 89, 99, 103, 106, 113	
6.5	# 1-9, 13, 17, 23, 24, 27, 31, 35, 39, 45, 51, 63, 81, 85, 91, 95	
6.6	# 1, 2, 5, 13, 15, 17, 21, 31, 33, 35, 41, 45, *55 (35-55: use ln, no decimals)	
6.7	not covered	
6.8	# 1-11 odd	
6.9	not covered	
8.1	# 1-6, 9, 19, 25, 29, 35, 39, 43, 45, 55, 59, 61, 67, 69	
8.2	# 1–4, 7, 17, 21, 25, 27, 29, 33, 37, 47, 53, 69, 73	
8.3-5	not covered	
8.6	# 1, 2, 13, 15, 21, 29, 47, 49, 71, 75	
8.7	# 13, 15, 17, 23, 29, 37, 45	
8.8	# 5, 13, 19, 20	
9.1-3	not covered	
9.4	# 1, 7, 11, 13, 19, 20	

Read Advice to College Students— on the General Notices page. (Link)