

Chaminade University of Honolulu
Syllabus for College Algebra
Early Draft of 29 Aug 2013 at Start of Semester

103-1-1; 9:30-to-10:20a; Mon-Wed-Fri; 26 Aug to 09 Dec 2013; Henry Hall 227
103-3-1; 1:30-to-2:20p; Mon-Wed-Fri; 26 Aug to 09 Dec 2013; Henry Hall 102

Instructor: J. Lee Ingamells << james.ingamells@adjunct.chaminade.edu >>

Office [Hours]: Henry Hall Room 1 [Mon-Wed-Fri 10:30a-to-noon or by appointment]

**Required
Materials:**

1. Blitzer, Robert (2012) *Algebra for College Students – 7th Edition*.
Prentice Hall. ISBN=0-321-75892-7
2. Internet access – <http://chaminade.college.com>
3. Personal calculator for professional development.
4. Notebook (personal ledger/organizer) with helpful records for study and reference. Keep everything together. (Not good to have fragments at home when needed in class.)

Description: This course follows Introductory Algebra to develop knowledge, skills and applications under the following topics: Sets and Real Number System; Exponents and Polynomials; Rational and Radical Expressions; Equations and Inequalities; Rational and Radical Equations; Systems of Equations; Introduction to Analytic Geometry; Linear, Exponential and Logarithmic Functions; Binomial Theorem; Integer Functions. Fulfills Track B general education requirement in mathematics. MA103 may be used as a preparative course for the pre-calculus/calculus sequence required for degrees with upper division math requirements, such as biology, forensic sciences and biochemistry. Not open to students with credits in MA 110, MA 210, or other higher numbered mathematics.

Protocol: Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes at Chaminade, unless specifically permitted by your instructor. In addition, use of cell phones and music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may be subject to laboratory safety violation fines. Please refer any questions to the Dean of Natural Sciences and Mathematics.

Accommodations: Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the CUH Counseling Center (Dr. June Yasuhara; phone 735 4845) by the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at ...

http://www.chaminade.edu/student_life/sss/counseling_services.php

Format: The primary purpose of MATH 103 is to develop proficiency for later courses in mathematics and to explore applications (word problems) in polynomials, factoring polynomials, rational expressions, radical and exponential expressions, linear equations, linear inequalities, quadratic functions, exponential and logarithmic functions.

Grading: Grades will be assigned to the following intervals:

A (90.0%-99.9%)	900 to 999 points
B (80.0%-89.9%)	800 to 899 points
C (70.0%-79.9%)	700 to 799 points
D (60.0%-69.9%)	600 to 699 points
F	below 600 points

Grade points are awarded for performance in the following:

Chap 1-2-3-[4]	Preparation	50 points
	Exam (Tentatively 23 Sep)	150 points
Chap [4]-5-6-7	Preparation	50 points
	Exam (Tentatively 18 Oct)	150 points
Chap [7]-8-9-10	Preparation	50 points
	Exam (Tentatively 08 Nov)	150 points
Chap [10]-11-12	Preparation	50 points
	Exam (Tentatively 02 Dec)	150 points
Final Comprehensive Exam		200 points

Preparation: Worth 200 grade points, collective over all chapters in the Blitzer text, this is simply understood as practice, practice, and more practice. Math is not a “subject to study.” It is a foundation laid by practice. Student practice must be documented by a well edited notebook or portfolio or similar instrument that enables personal reference and review. A “scrap book” or otherwise untamed collection of paper is not an acceptable instrument.

Preparation means, in the absence of truly compelling reasons, students are expected to

- 1) do the assigned homework,
- 2) be present at the beginning of every class and stay until the end, and
- 3) demonstrate a mastery of practice problems in preparation for respective exams.

Exams: The four mid-term exams and one final comprehensive exam are collectively worth 800 grade points. Practice is important to preparing for these exams, which are composed of problems similar to those discussed in class or found in Blitzer's text.

Students are also urged to practice the Chapter Tests in Blitzer text. Solutions to every Chapter Test problem are found as YouTube presentations.

<http://www.youtube.com/user/BlitzerAlgforCollege?feature=watch>

J. Lee Ingamells (BA Chemistry; MS Agronomic Education; PhD Soil Ecology)



The instructor is a specialist in biometry, experimental design, and applied statistics. He began teaching with Peace Corps Philippines (1970-73) and has since held elementary, secondary and university teaching appointments in science and math, most recently at Sino-British College Shanghai (2010-11) and International Community School Singapore (2011-12). He has twenty-five years of professional experience as project leader and consultant on programs in tropical agriculture, soil systems, and environmental awareness.

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DRAFT 30 AUG START OF SEMESTER

MON	TUE	WED	THU	FRI	SAT	WEEK	SUM	
26-Aug Introduction Diagnostic	27	28-Aug Begin a functional "Check Point" system for practice, reference, & final review. Chap 1 -- Emphasis on Exponents & Polynomial Expressions	29	30-Aug	31	3		
2-Sep << no class >> Labor Day	3	4-Sep Functions & Graphs Chap 2 -- Overview/Begin	5	6-Sep Chap 2 -- Summary & Review	7	2	5	
add-drop period ends Tue 03 Sep <---								
9-Sep Systems Chap 3 -- Overview/Begin	10	11-Sep	12	13-Sep Chap 3 -- Summary & Review	14	3	8	
16-Sep Inequalities Chap 4 -- Overview/Begin	17	18-Sep	19	20-Sep Chap 4 -- Summary & Review	21	3	11	
23-Sep << EXAM #1 -- Chap 1, 2, 3 & 4 >>	24	25-Sep Polynomials & Factoring Chap 5 -- Overview/Begin	26	27-Sep	28	3	14	
30-Sep Chap 5 -- Summary & Review	1	2-Oct Rational Expressions Chap 6 -- Overview/Begin	3	4-Oct	5	3	17	
7-Oct Chap 6 -- Summary & Review	8	9-Oct Exponential & Radical Expressions Chap 7 -- Overview/Begin	10	11-Oct	12	3	20	
14-Oct << no class >> Discoverers' Day	15	16-Oct Chap 7 -- Summary & Review	17	18-Oct << EXAM #2 -- Chap 5, 6 & 7 >>	19	2	22	
21-Oct Chap 8 -- Overview/Begin	22	23-Oct Chap 8 -- Summary & Review	24	25-Oct Chap 9 -- Overview/Begin	26	3	25	
28-Oct	29	30-Oct Chap 9 -- Summary & Review	31	1-Nov Chap 10 -- Overview/Begin	2	3	28	
4-Nov	5	6-Nov Chap 10 -- Summary & Review	7	8-Nov << EXAM #3 -- Chap 8, 9 & 10 >>	9	3	31	
11-Nov Chap 11 -- Overview/Begin	12	13-Nov	14	15-Nov	16	3	34	
18-Nov Chap 11 -- Summary & Review	19	20-Nov Chap 12 -- Overview/Begin	21	22-Nov << no class >> Thanksgiving	23	2	36	
25-Nov	26	27-Nov	28	29-Nov Chap 12 -- Summary & Review	30	3	39	
2-Dec << EXAM #4 -- Chap 11 & 12 >>	3	4-Dec - - - Semester Review - - -	5	6-Dec	7	3	42	
9-Dec FINAL EXAM on - - - - - MONDAY 11:00am-to-13:00hrs Henry Hall 227	10-Dec or on - - - - - TUESDAY 11:00am-to-13:00hrs Henry Hall 102							