

Linfield College Syllabus

Department:	Continuing Education (DCE)
Course Number:	MAT 115 (Online)
Course Title:	Intermediate Algebra
Credits:	Three (3) Credits
Instructor:	M. Malek Daaboul
Instructor Contact:	Address: 17558 SW Kemmer View Ct. Beaverton, Oregon 97007
	Phone: (503) 591-1866
Term/Dates	Spring 2008/02-16-08, 05-29-08

I. Course Description: A major objective of this course is to expose the students to the fundamentals of College Intermediate Algebra. This includes real: Basic Concepts; Equations and Inequalities; Graphs and Functions; Systems of Equations and Inequalities; Polynomials and Polynomial Functions; Radical Expressions and Equations; Roots, radicals and Complex Numbers; & Quadratic Equations, Exponential and Logarithmic Functions.

II. Prerequisites, Helpful Knowledge and skills: This course is developed for college students and other adults who have been exposed to Elementary Algebra or those who have taken Intermediate Algebra but need a refresher course. So the prerequisite is MAT 105 Elementary Algebra.

III. Learning Objectives/Outcomes: After completing this course the student should have the knowledge of the principles, concepts and applications of College Intermediate Algebra. Many of these principles and concepts are applicable to solving problems in business and economics, life science, and social science as well as other aspects of the student's professional and personal life. Consequently, the student should expect the benefits of studying algebra to serve him/her in those areas as well.

IV. Methodology: The mode of delivery for learning are concepts discussion on the Discussion Area, assignments (Chapter Practice tests), and four examinations. Class discussion of the subject matter concepts and interactive dialogue among students and the instructor is expected/encouraged to ensure clear understanding of algebraic concepts and its applications to problem-solving, decision making in business and economics, life science and social science areas.

V. Resources:

Text: Intermediate Algebra for College Students

By: Allen R. Angel

Edition: Seventh, ISBN: 0-13-238357-8

Publisher: Prentice Hall

Incompletes: A grade of Incomplete (I) is given only in emergency situations. The student must request an Incomplete in writing and must obtain my permission. All uncompleted work must be completed within the time limits I set. If you simply don't turn in the final assignments or the final exam, your course grade will be calculated with the missed portion counting for 0 points.

Academic honesty: Cheating and plagiarism will not be tolerated. Any student found to be engaging in either of these activities at any point in the course will receive a failing grade for the assignment and/or entire course and may be subject to further college sanctions.

VI. Evaluation & Grading: The student's learning is evaluated continuously through class interactions, assignments, and four examinations. The course grade is based on the student performance on the four examinations and class participation.

Class participation	20%
Exam 1 (Chapters 1, 2, & 3):	20%
Exam 2 (Chapters 4 & 5):	20%
Exam 3 (Chapters 6, 7, & 8):	20%
Exam 4 (Chapters 9):	20%

Grading Distribution

100 - 92	A
91 - 90	A-
89 - 88	B+
87 - 82	B
81 - 80	B-
79 - 78	C+
77 - 72	C
71 - 70	C-
69 - 68	D+
67 - 62	D
61 - 60	D-
Below 60	F

Weeks 01-04		
1. Basic Concepts 2. Equations & Inequalities 3. Graphs and Functions		Chapter 1 Chapter 2 Chapter 3
EXAM I,	(Chapters 1, 2, & 3),	20% of the grade
Weeks 05 - 07		
4. Systems of Equations and Inequalities 5. Polynomials and Polynomial Functions		Chapter 4 Chapter 5
EXAM II,	(Chapters 4 & 5),	20% of the grade
Weeks 08 - 11		
6. Rational Expressions & Equations 7. Roots, Radicals, and Complex Numbers 8. Quadratic Functions		Chapter 6 Chapter 7 Chapter 8

EXAM III,	(Chapters 6, 7, & 8),	20% of the grade
Weeks 12 - 13		
9. Exponential Functions		Chapter 9
EXAM IV	(Chapters 9),	20% of the grade

Biography: Malek Daaboul has a broad industrial background with a record of contribution in marketing, sales, customer support, engineering, manufacturing, information technology, and business management. Strong planning and management skills complemented with a thorough technical and analytical background. Worked at Owens Illinois in Toledo, Ohio for about nine years in different capacities: Manufacturing Engineer, Senior Operations Research Analyst, and Systems Software & Technical Supervisor. He then worked for Tektronix in Beaverton, Oregon for about Six years as Technical Services Manager before joining Sequent Inc. in Beaverton, Oregon for about four years as Computer Resources Group Manager and Later as Rightsizing Marketing Manager. Then He worked for IBM Global Services in Portland, Oregon for about four years as a Senior Business Management Consultant/Solutions Manager and for Oracle Corporation in Portland, Oregon for about two years as Consulting Services Practice Manager. Responsibilities at IBM and Oracle included business development in Oregon, marketing, and selling consulting services as well as overall management of consulting engagements and executive relationships. Malek has been teaching undergraduate and graduate (MBA) courses since 1974. Courses taught include Strategic Marketing Management, Industrial Marketing, Services Marketing, International Marketing, Management Decisions Making, Decision and Executive support Systems, Economic Decision Making, Managerial Forecasting, Operations Research, Operations Management, Information Technology and Mathematics. He has masters degrees in electrical and industrial engineering and done Ph.D. work (two years) in systems engineering.