

Mahidol University International College

Trimester II, 2011-2012

Course Title **ICNS 100 – Intensive Mathematics**

Instructors Charnchai PLUEMPITIWIRIYAJEJ (Section 1)
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www <http://pirun.ku.ac.th/~fengwrs/icns100.htm>
Math clinic Monday/Wednesday 13-14

Required Textbook *Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences, 14th edition, by Haeussler, Paul, and Wood. Pearson Education, Inc,*

Course Contents

Week	Topics	Topics
1	Chapter 2 Functions and Graphs 2.5 Graphs in Rectangular Coordinates	2.6 Symmetry
2	2.7 Translations and Reflections	Chapter 3 Lines, Parabolas, and Systems 3.1 Lines
3	3.2 Applications and Linear Functions	3.3 Quadratic Functions
4	Quiz 1 (10%) 3.3 Quadratic Functions	3.4 Systems of Linear Equations
5	3.4 Systems of Linear Equations	3.5 Nonlinear Systems
6	Chapter 4 Exponential and Logarithmic Functions 4.1 Exponential Functions (including Compound Interest)	<i>Review</i>
Sat 24/3/12 10-11:50	<i>Midterm Examination</i> <i>Chapters 2.5 – 3.5.</i>	
7	4.2 Logarithmic Functions	4.3 Properties of Logarithms 4.4 Logarithmic and Exponential Equations
8	Chapter 6 Matrix Algebra 6.1 Matrices 6.2 Matrix Addition and Scalar Multiplication	6.3 Matrix Multiplication

Week	Topics	Topics
9	6.4 Solving Systems by Reducing Matrices Quiz 2 (10%)	6.5 Solving Systems by Reducing Matrices (continued)
10	6.6 Inverses	6.7 Determinant (10 th Edition)
11	6.8 Cramer's Rule (10 th Edition)	Review
Fri 4/05/12 10-11:50	Final Examination <i>Chapters 4.1 – 6.8</i>	

Exercises Recommended

Section	Exercises
2.5	1-20, 25-40, 45-46
2.6	1-11
2.7	1-19
3.1	1-69
3.2	1-20
3.3	1-42
3.4	1-24
3.5	1-14
4.1	1-30
4.2	1-56, 59-60
4.3	1-53
4.4	1-37
6.1	1-29
6.2	1-41
6.3	1-61
6.4	1-26
6.5	1-23
6.6	1-26, 35-36
6.7	For these 2 sections please see <i>10th edition or before</i> , or contact your instructor for the materials.
6.8	

Evaluation	Homework & Attendance	10%
	Quiz 1	10%
	Midterm Examination	35%
	Quiz 2	10%
	Final Examination	35%

Grading	S (Satisfied)	A total score of $\geq 60\%$.
	U (Unsatisfied)	A total score of $< 60\%$.

- Class Policy**
- 1) Please keep in mind that according to the university policy students are required to have at least 80% class attendance to be eligible to take the final examination. Class attendance will be often checked.
 - 2) Grading is based on items listed above. Do not expect to have a re-quiz or a re-exam.