SYLLABUS

Intensive Course
Part I: Mathematics

ACADEMIC YEAR 2014

Instructor: Assistant Professor Sittisak Leelahanon, Ph.D.

email: sittisakmail@gmail.com

Class Time: Tuesday, Wednesday, Thursday and Friday 13:30 - 16:30

Textbooks:

[EMEA] Knut Sydsæter and Peter Hammond, *Essential Mathematics for Economic Analysis*, 3rd ed.

[FMEA] Knut Sydsæter, Peter Hammond, Atle Seierstad and Arne Strøm, *Further Mathematics for Economic Analysis*, 2nd ed.

Course Description:

   This intensive course provides the mathematical background in calculus and optimization necessary to understand how mathematical techniques are used in business.

Tentative Schedule:

Date			Time	Topics	EMEA	FMEA
Tue.	17	June	13:30-16:30	Algebra and Functions	Ch. 1,2,3,4,5,10	
Wed.	18	June	13:30-16:30	Calculus of One Variable	Ch. 6,7,8	
Thu.	19	June	13:30-16:30	Integration	Ch. 9	Ch. 4
Fri.	20	June	13:30-16:30	Vector and Matrix	Ch. 15,16	Ch. 1
Tue.	24	June	13:30-16:30	Linear Algebra		Ch. 1
Wed.	25	June	13:30-16:30	Multivariate Calculus	Ch. 11,12	Ch. 2
Thu.	26	June	13:30-16:30	Multivariate Optimization	Ch. 13	Ch. 3
Fri.	27	June	13:30-16:30	Constrained Optimization	Ch. 14	Ch. 3