CALCULUS II - A5407401
SPRING 2012

Instructor:	Seungil Kim
Office:	Professor Hall 203
Phone:	(02) 961-0451
Email Address:	sikim@khu.ac.kr
Time/Classroom:	Wed 9:00 - 10:50 AM, College of Humanity Room 406
	Fri 9:00 - 10:15 AM, Math Lab Room 1
Lab: session 1:	Fri 10:30 - 11:45 AM, Math Lab Room 1
Lab: session 2:	Fri 10:30 - 11:45 AM, Math Lab Room 2
Webpage:	http://sikim.khu.ac.kr/2012Fall/calculusII/calc12fall.html
Office Hours:	Tue and Thu, 10:00 - 11:00 AM or by appointment

Textbook: *Essential Calculus: Early Transcendentals*, 2007, by James Stewart

Course Description: Calculus II is the continuation of Calculus I of two sequential courses in calculus. The first part of the course provides derivatives and integrals of two and three variable functions and their applications, including Lagrange multipliers, double integrals and triple integrals. In the second part, we shall study basic knowledges about calculus for vector fields such as Green's theorem and divergence theorem.

Outcomes: The expected outcomes of this course are that
- Students can differentiate multi-variable functions
- Students can solve optimization problems using Lagrange multipliers
- Students can do double and triple integrals in Cartesian, polar or spherical coordinate systems.
- Students can utilize Green's theorem and divergence theorem in many applications.

Grading:

Average of 3 Exams	50%
Comprehensive Final	30%
Quiz Average	20%

Tentative Exam Schedule:

Exam I	Wed.	Sep. 19	9:00 AM - 10:50 AM
Exam II	Fri.	Oct. 26	9:00 AM - 10:50 AM
Exam III	Wed.	Nov. 28	9:00 AM - 10:50 AM
Final	Wed.	Dec. 19	9:00 AM - 10:50 AM

No make-up exam will be given without a reasonable excused absence and permission from the instructor.