CALCULUS II - MATH1102-1
FALL 2017

Instructor:	Seungil Kim
Office:	Professor Hall 203
Phone:	(02) 961-0451
Email Address:	sikim@khu.ac.kr
Time/Classroom:	Tue 12:00 - 1:15 PM, Orbis Hall 213
	Thu 9:00 - 10:50 AM, ChungWoonGwan 712
Recitation:	Thu 1:30 - 2:45 PM, Orbis Hall 213
Webpage:	http://sikim.khu.ac.kr/2017Fall/calculusII/calc17fall.html
Office Hours:	Wed 10:00 - 11:30 AM or by appointment

Textbook: *Essential Calculus: Early Transcendentals*, 2nd Ed., 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 basic knowledges about derivatives and integrals of two or three variable functions and their applications, including Lagrange multipliers, double integrals and triple integrals. In the second part, we shall study the imporotant theory 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 4 Exams	80%
Quiz Average	10%
Attendance	10%

Tentative Exam Schedule:

Exam I	Sep. 26 (Tue)	12:00 PM - 2:00 PM
Exam II	Oct. 24 (Tue)	12:00 PM - 2:00 PM
Exam III	Nov. 16 (Thu)	9:00 AM - 10:50 AM
Final	Dec. 19 (Tue)	12:00 PM - 2:00 PM

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