

CALCULUS II - MATH1102-2
FALL 2016

Instructor: 김승일
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Email Address: sikim@khu.ac.kr
Time/Classroom: Tue 9:00 - 10:50 AM, 청운관 620
Thu 9:00 - 10:15 AM, 청운관 620
Lab: session : Thu 10:30 - 11:45 AM, 청운관 620
Webpage: <http://sikim.khu.ac.kr/2016Fall/calculusII/calc16fall.html>
Office Hours: Wed 10:00 - 11:30 AM or by appointment

Textbook: 미분적분학 II (다변수 함수와 벡터 해석) , 2014, 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 4 Exams	80%
Quiz Average	10%
Attendance	10%

Tentative Exam Schedule:

Exam I	Sep. 27 (The)	9:00 AM - 10:50 AM
Exam II	Oct. 25 (Tue)	9:00 AM - 10:50 AM
Exam III	Nov. 18 (Thu)	9:00 AM - 10:50 AM
Final	Dec. 20 (Tue)	9:00 AM - 10:50 AM

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