**CALCULUS II - A5407402**
**FALL 2013**

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| **Instructor**: | Seungil Kim |
| **Office**: | Professor Hall 203 |
| **Phone**: | (02) 961-0451 |
| **Email Address**: | sikim@khu.ac.kr |
| **Time/Classroom**: | Mon 9:00 - 10:50 AM, CheongWoonGwan 620 |
| | Thu 9:00 - 10:15 AM, CheongWoonGwan 620 |
| **Lab: session** : | Thu 10:30 - 11:45 AM, CheongWoonGwan 620 |
| **Webpage**: | http://sikim.khu.ac.kr/2013Fall/calculusII/calc12fall.html |
| **Office Hours**: | Tue 2:00 - 3:00 PM, Fri 10:00 - 11:00 AM or by appointment |

**Textbook**: *Essential Calculus: Early Transcendentals (Korean edition)*, 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**:

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| Average of 3 Exams | 50% |
| Comprehensive Final | 30% |
| Quiz Average | 10% |
| Attendance | 10% |

**Tentative Exam Schedule**:

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| Exam I | Tue. | Sep. 29 | 9:00 AM - 10:50 AM |
| Exam II | Tue. | Oct. 24 | 9:00 AM - 10:50 AM |
| Exam III | Mon. | Nov. 18 | 9:00 AM - 10:50 AM |
| Final | Tue. | 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.