Course Schedule Please print this page for reference throughout the course.

Week / Dates	**Textbook material to be covered**	**Homework etc.**
Week 1 Tue. Sept. 3 Fri. Sept. 6	Syllabus. Skim textbook and get familiar with content. Only one hour of lecture on Fri. Sept. 9th.	Welcome!
Week 2 Mon. Sept. 9 Fri. Sept. 13	§1.1 Vectors in Two- and Three-Dimensional Space §1.2 The Inner Product, Length, and Distance §1.3 Matrices, Determinants, and the Cross Product §1.5 n-Dimensional Euclidean Space	Tutorials start
Week 3 Mon. Sept. 16 Fri. Sept. 20	§2.1 Geometry of Real-Valued Functions §2.2 Limits and Continuity §2.3 Differentiation	Homework 1
Week 4 Mon. Sept. 23 Fri. Sept. 27	§2.5 Properties of Derivatives §2.6 Gradients and Directional Derivatives	Homework 2
Week 5 Mon. Sept. 30 Fri. Oct. 4	§3.1 Iterated Partial Derivatives §3.2 Taylor's Theorem	Homework 3
Week 6 Mon. Oct. 7 Fri. Oct. 11	§3.3 Extrema of Real-Valued Functions	Homework 4
Week 7 Mon. Oct. 14 Fri. Oct. 18	§3.4 Constrained Extrema and Lagrange Multipliers	Homework 5
Week 8 Mon. Oct. 21 Fri. Oct. 25	§5.1 Introduction to Double and Triple Integrals §5.2 The Double Integral over a Rectangle	Homework 6
	READING WEEK	
Week 9 Mon. Nov. 4 Fri. Nov. 8	§5.3 The Double Integral over More General Regions §5.4 Changing the Order of Integration	Homework 7
Week 10 Mon. Nov. 11 Fri. Nov. 15	§5.5 The Triple Integral	Drop Deadline Homework 8
Week 11 Mon. Nov. 18 Fri. Nov. 22	§1.4 Cylindrical and Spherical Coordinates §6.1 The Geometry of Maps from $\mathbb{R}^2$ to $\mathbb{R}^2$	Homework 9
Week 12 Mon. Nov. 25 Fri. Nov. 29	§6.2 The Change of Variables Theorem	Homework 10

First Class ..... **LEC 01:** Friday Sept. 6th at 13:00 **LEC 02:** Friday Sept. 6th at 08:00
Reading Week .....Saturday October 26th — Sunday November 3rd
Drop deadline .....Monday November 18th
Last Class ..... **LEC 01:** Friday Nov. 29th at 13:00 **LEC 02:** Friday Nov. 29th at 08:00