

第 1 週	2/21,2/23	2/21: 1.1-1.3 Functions of several variables and continuity. 2/23: 1.4 Partial derivatives.
第 2 週	3/02	3/02: 1.5 Differential of a function.
第 3 週	3/07,3/09	3/07: 1.6 Chain rule. 3/09: 1.7 Mean value and Taylor theorem in several variables.
第 4 週	3/14,3/16	3/14: 1.8 Integral of functions with a parameter. 3/16: 1.9 Line integrals.
第 5 週	3/21,3/23	3/21: 1.10 The fundamental theorem on line integrals. 3/23: Appendix to Ch.1.
第 6 週	3/28,3/30	3/28: MIDTERM I. 3/30: 3.1 - 3.2 Implicit functions.
第 7 週	4/06	4/06: 3.3 Inverse function.
第 8 週	4/11,4/13	4/11: 3.7 Maxima and minima, Appendix 1. 4/13: 3.7 Lagrange multiplier
第 9 週	4/18,4/20	4/18: 3.3 Solving inverse map by iterations, Dependent functions. 4/20: 3.4 Applications.
第 10 週	4/25,4/27	4/25: 4.1-4.4 Area, double integrals and Integrals in higher dimensions. 4/27: 4.5 Repeated integrals.
第 11 週	5/02,5/04	5/02: 4.6 Change of variable formula. 5/04: 4.8-4.9 Applications.
第 12 週	5/09,5/11	5/09: MIDTERM II. 5/11: 4.7 Improper multiple integrals.
第 13 週	5/16,5/18	5/16: 4.10 Integrals in curvilinear coordinates. 5/18: 4.11 Higher dimensional integrals.
第 14 週	5/23,5/25	5/23: 4.12 Improper integrals with a parameter. 5/25: 5.1-5.3 Green's theorem.
第 15 週	6/01	6/01: 5.4-5.6 Applications and interpretations by flows.
第 16 週	6/06,6/08	6/06: 5.7-5.8 Orientation of surfaces and surface integrals. 6/08: 5.9 Gauss's theorem in space.
第 17 週	6/13,6/15	6/13: 5.10 Stokes's theorem in space. 6/15: 5.11 Higher dimensions.