

MATH 2205, Multivariate Calculus
Semester 2, 2017
(updated December 7 2016)
(updated November 21 2016)

Webpage: <http://www.math.hkbu.edu.hk/~amypang/2205>

Class:

- Monday 12:30-14:20 @??
- Tuesday 9:30-11:20 @??

Instructor: Dr. Amy Pang, FSC 1108, amypang@hkbu.edu.hk.

Teaching Assistants: to be announced

Office hours: with Dr. Pang in FSC 1108. Days and times to be announced.

Textbook: *Calculus, Several Variables (7th or 8th Edition)*, by Robert A. Adams and Christopher Essex, Pearson, ISBN 978-0-321-54929-7 or 978-0-321-87741-3 respectively. This is the second half of *Calculus: A Complete Course* by the same authors and publisher, ISBN 978-0-321-54928-0 or 978-0-321-88021-5 respectively. Homework may be assigned from the textbook, so make sure you have access to a copy. We will cover roughly chapters 10.1-10.7, 12.1-12.9, 13.1-13.4, 14.1-14.7, 15.3 in the 7th Edition, which is chapters 10.1-10.7, 12.1-12.9, 13.1-13.5, 14.1-14.7, 15.3 in the 8th Edition. We will also cover chapters 5.1-5.5, 6.1, 6.5 from *Calculus: Single Variable*, which is also the first half of *Calculus: A Complete Course*; for this part, you may use any single variable calculus textbook for your reference.

Prerequisites: A very good background in single variable differential calculus, and basic knowledge and computations in linear algebra. See the sample questions on the class webpage.

More information will follow in early January.