

Syllabus: Calculus II

1. Description:

This course is concerned with Calculus for two and three-variable functions. We will focus on basic properties, theories and applications in differentiations and integrations. There are five main topics that we will cover throughout the course:

- (a) Limit and continuity
- (b) Differentiation for two and three-variable functions
- (c) Applications for Differentiation
- (d) Integration for two and three-variable functions
- (e) Applications for Integration

2. Topic prerequisites:

Calculus for one-variable functions

3. Course information:

- (a) Lecture: Every Mon., Wed. 10:15-11:30; Seminar: Thu. 12:10-13:00
- (b) Room: General Classroom Building 204
- (c) Textbook: James Stewart, Calculus: Early Transcendentals, 9th Edition
- (d) Teacher: Chih-Chiang Huang, E-mail: cchuang@ccu.edu.tw, Math Building 435
- (e) TA: 江子昀; E-mail: eric410827@gmail.com. Q&A:
- (f) Q&A: Every Mon.-Fri., 12:00-14:00; 16:00-18:00; Math Building 202
- (g) Office hours: Wed. 08:00-10:00, Math Building 435

4. Grading

Grade (100%)= Final exam (40%)+ Midterm exam (30%)+ Quiz(30%) (Choose 5 from 6)

5. Exam Schedule

- (a) Quiz in Seminar: 03/12, 03/26, 04/09, 05/07, 05/21, 06/04(Thu.) 12:10-12:30 (3rd, 5th, 7th, 11th, 13th, 15th week)
- (b) Midterm Exam in Class: 04/22 (Wed), 10:10-12:00 (9th week)
- (c) Final Exam in Class: 06/17 (Wed), 10:10-12:00 (17th week)