

Syllabus: Calculus I

1. Description:

This course is concerned with Calculus. 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 1-variable functions
- (c) Applications for Differentiation
- (d) Integration for 1-variable functions
- (e) Applications for Integration

2. Topic prerequisites:

Mathematics in senior high school including trigonometric 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) Office hours: Wed. 08:00-10:00, Math Building 435
- (f) TA: 江子昀; E-mail: eric410827@gmail.com. Q&A: Tue. 12:00-14:00 Math Building 202
- (g) Q&A: Every Mon.-Fri., 12:00-14:00; 16:00-18:00; Math Building 202

4. Grading

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

5. Exam Schedule

- (a) Quiz in Seminar: 09/25, 10/09, 10/23, 11/27, 12/11 (Thu.)12:10-12:30; 12/22 (Mon.) 10:15-10:35
- (b) Midterm Exam in Class: 11/03 (Mon),10:10-12:00
- (c) Final Exam in Class: 12/29 (Mon), 10:10-12:00