

Mahidol University International College

ICMA 322 Advanced Calculus Trimester 2, Academic Year 2018-2019

Instructor:	Asst. Prof. Dr. Chatchawan Panraksa
Time:	Monday, Wednesday 12:00 - 1:50 PM
Office Hours:	Math Clinic 1309, Monday 3–4 PM Science Division 3501, Monday 2–3 PM, Wednesday 2–4 PM
E-mail:	chatchawan.pan@mahidol.edu
Midterm Exam:	Saturday, 16 February 2019, Time: 2:00 - 3:50 PM
Final Exam:	Monday, 1 April 2019, Time: 12:00 - 1:50 PM

Required Textbook

Understanding Analysis, 2nd edition, by Stephen Abbott.

Course Description

Real and complex number systems; functions; continuity; convergence; differentiation; integration.

Course Objectives

After completion of this course, student should be able to:

1. understand the theoretical aspects of calculus, including the concepts of limit, continuity, differentiation, and integration;
2. advance the knowledge and apply the tools obtained from this course to other subjects in mathematics.

Course Outline

DATES	TOPICS
Week 1	Sections 1.1-1.3
Week 2	Sections 1.4,2.1,2.2
Week 3	Sections 2.3 - 2.6
Week 4	Quiz 1 (10 %) Sections 2.7,3.1,3.2
Week 5	Sections 3.3-3.4
Week 6	Sections 4.1-4.4
16 Feb	Midterm Exam (25 %) (covering topics from weeks 1-6)
Week 7	Sections 4.5-4.6,5.1
Week 8	Sections 5.2-5.3
Week 9:	Quiz 2 (10 %) Sections 6.1-6.3
Week 10	Sections 6.4-6.5
Week 11	Sections 7.1-7.3
Week 12	sections 7.4-7.5
1 April	Final Exam (25 %) (covering topics from weeks 7-12)

Grade Distribution

Quiz 1	10 %
Midterm	25 %
Quiz 2	10 %
Final	25 %
Assignment	30 %

Letter Grade Distribution

90-100 %	A
85-89 %	B+
80-84 %	B
75-79 %	C+
70-74 %	C
65-69 %	D+
60-64 %	D
0-59 %	F

***Note:** According to the classroom policies, students are required to have at least 80 % class attendance to be eligible to take the final exam. Three late attendances (each of 15 minutes or more) are considered equal to one absence.

Canvas self-enrollment: <https://canvas.instructure.com/enroll/EJAGFA>.

Alternatively, students can sign up at <https://canvas.instructure.com/register> and use the following join code: **EJAGFA**.