

Course Name	Mathematical Analysis	Course ID. Semester	MAC3309 2/2023		
Teacher	Assistant Professor Dr.Thanatyod Jampawai Division of Mathematics Faculty of Education Suan Sunandha Rajabhat University	Office	1144		
Time	Wendesday 8 a.m 12 a.m. Wendesday 1 p.m 5 p.m.	Section Section	01 02	Room Room	1143 1143

WEEK	DATE	COURSE OUTLINE	ACTIVITIES	
1	06/12/23	Clarification of teaching and measurement criteria	Practice & Present A1	
		Ordered field axiom and Well-Ordering principle		
2	13/12/23	Completeness axioms and Functions	Practice & Present A2	
3	20/12/23	Limit of sequence	QUIZ 1 (10 marks)	
		Limit theorems	Practice & Present A3	
4	27/12/23	Divergence, Monotone and Cauchy sequences	Practice & Present A4	
5	03/01/24	Topology on ${\mathbb R}$	QUIZ 2 (10 marks)	
		Limit of functions	Practice & Present A5	
6	10/01/24	Limit Theorems of functions, One-sides limits and Infinite limits	Practice & Present A6	
7	17/01/24	Presentation of Project 1 (10%)	Present Project 1	
8	24/01/24	Midterm Examination (25%)		
9	31/01/24	Continuity and Uniform continuity	Practice & Present A7	
10	07/02/24	Derivative, Mean Value Theorem (MVT) and IFT	Practice & Present A8	
11	14/02/24	Riemann integral	QUIZ 3 (10 marks)	
			Practice & Present A9	
12	21/02/24	Riemann sum and Fundamental Theorem of Calculus	Practice & Present A10	
13	28/02/24	Integral by part	QUIZ 4 (10 marks)	
		Infinite series	Practice & Present A11	
14	06/03/24	Test of series	Practice & Present A12	
15	13/03/24	Absolute convergence and Alternating series	Practice & Present A13	
16	20/03/24	Presentation of Project 2 (10%)	Present Project 2	
17	27/03/24	Final Examination (25%) *Withdraw : 1-20 March 2024		

TEXT AND REQUIRED SUPPLIES

Thanatyod Jampawai (2022). Mathematical Analysis. Division of Mathematics, Faculty of Education, Suan Sunandha Rajabhat University.

William R. Wade. (2004). An Introduction Analysis, Pearson Education. Inc., New Jersey.

CRITERION

Collaboration	5%	 Project 	20%
• Home Work	5%	• Midterm Exam.	25%
 Assignment 	10%	• Final Exam.	25%
• Quiz	10%	TOTAL	100%