



Course Outline for Physics 5 (SCI 33201)

1st Semester, Academic Year 2023

For Grade 12, Demonstration School of Suan Sunandha Rajabhat University

Credit 1.5 **Total class hours** 60 hours (20 weeks)

Classroom Mathayom 6/1 **Teacher** Ariyaphol Jiwalak

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Teaching Schedule

Week	Topics		Time (hours)
1	CHAPTER 1: Solid and Fluid	Course Introduction	21
2		Solid	
3		Surface tension and Viscosity	
4		Static fluid	
5		Fluid dynamics	
6			
7			
8	CHAPTER 2: Heat and Gas	Heat	6
9			
10	Midterm Exam		3
11	CHAPTER 2: Heat and Gas	Ideal gas	18
12			
13		Kinetic theory of gases	
14			
15		First law of thermodynamics	
16			
17	CHAPTER 3: Electromagnetic waves	Production of electromagnetic waves	9
18		Electromagnetic spectrum	
19		Polarization	
20	Final Exam		3
	Total		60

Evaluation criteria	Homework	50%
	Quiz	10%
	Midterm exam	20%
	Final exam	20%