



# HANYANG UNIVERSITY

## Hanyang International Winter School

Faculty Information	Name	Hongyun So					
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	Home University	Hanyang University					
	Department	Mechanical Engineering					
	Homepage	<a href="https://microsystemhy.wixsite.com/mind">https://microsystemhy.wixsite.com/mind</a>					
Course Information	Class No.	TBA	Course Code	MEE4001	Credits	3	
	Course Name	Heat Transfer					
	Lecture Schedule	Mon-Fri / 10:00~12:00 & 13:00~15:30					
	Course Description	The transport mechanisms of heat can be classified as conduction, convection (forced and natural), radiation, and combination of these. With the concept on transport mechanisms of heat, the method of setting-up energy balance equation for given engineering systems and the mathematical solution of each energy balance equation will be studied.					
	Course Objective	Understanding of basic concepts of heat transfer mechanism including conduction, convection, and radiation.					
	Prerequisite	N/A					
	Materials/Textbooks	Heat and Mass Transfer / Yunus A. Cengel / McGraw-Hill					
Evaluation	Attendance	10%	Quiz	%			
	Assignment	10%	Mid-term Exam	30%			
	Presentation	%	Final Exam	40%			
	Group Project	%	Participation	10%			
	Etc.	Evaluation Item			Ratio		
					%		
			%				
Daily Lecture Plan	Day 1	Orientation & Introduction to Heat Transfer					
	Day 2	Steady-State Conduction 1					
	Day 3	Steady-State Conduction 2					
	Day 4	Steady-State Conduction 3					
	Day 5	Midterm					
	Day 6	Transient Heat Conduction					
	Day 7	Numerical Methods in Heat Conduction					
	Day 8	Numerical Simulation of Heat Transfer 1					
	Day 9	Numerical Simulation of Heat Transfer 2					
	Day 10	Final Exam					