



HANYANG UNIVERSITY

INTERNATIONAL SUMMER SCHOOL

* Please fill out the form completely in English in detail.

Name	Hongyun So
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Home University	Hanyang University
Department	Mechanical Engineering

Course Title	Heat Transfer
Field of Study	Engineering
Credits	3
Contact Hours	45
Course Code/Number	MEE4001
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.
Preparations (Pre-Knowledge)	N/A
Materials (Textbook/Websites link)	Heat and Mass Transfer / Yunus A. Cengel / McGraw-Hill



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Lesson Plan: Fill out the topic for each class in detail		
Week 1	1 st Day	Orientation & Opening Ceremony
	Class 1	Introduction to heat transfer
	Class 2	Steady state conduction 1
	Class 3	Steady state conduction 2
Week 2	Class 4	Transient heat conduction
	Class 5	Numerical methods in heat conduction
	Class 6	Fundamentals of convection 1
	Class 7	Fundamentals of convection 2
Week 3	Class 8	Midterm
	Class 9	Forced convection 1
	Class 10	Forced convection 2
	Class 11	Natural convection
Week 4	Class 12	Radiation heat transfer 1
	Class 13	Radiation heat transfer 2
	Class 14	Heat exchanger
	Class 15	Final Exam

Evaluation (%)								
* Total sum of percentages should be 100%								
* Only below options are available, please do not change the form (fill out the given form)								
Assignments	Attendance	Final	Group Project	Mid-term	Participation	Presentation	Quiz	Total
10	10	40	0	40	0	0	0	100 %