1	Title	Heat Transfer	
2	Lecturer, Units	Koji Miyazaki	2
3	Purpose	In this class, we intend to teach an introductory heat transfer such as heat conduction, convective heat transfer, and radiative heat transfer. Moreover, we teach a few simple numerical methods for heat transfer problems to understand the heat transfer.	
4	Lecture schedule	(1) Modes of heat transfer (2) Heat conduction (3) Heat conduction (Numerical Analysis) (4) Convective heat transfer (5) Convective heat transfer (Numerical Analysis) (6) Turbulent convective heat transfer (7) Natural convective heat transfer (8) Condensation heat transfer (10) Boiling heat transfer (11) Radiative heat transfer (12) Applications (Heat pipes, Heat exchangers, Thermoelectric)	
5	Evaluation	Students will be evaluated by attendance reports, results of class assignments, and the results of a final assignment.	
6	Note	The students must have studied basic physics and computer programming for engineering.	
7	Textbook Reference	A.F. Mills, Heat Transfer, Prentice Hall J. H. Lienhard, A Heat Transfer Textbook, Prentice Hall	