



HANYANG UNIVERSITY

Hanyang ERICA Summer School

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2018 HESS Course Syllabus

Course Information	Course Title(Eng)	Building Equipment and System Design	Course Category	Core Major
	Course Title(Kor)	건축설비시스템		
	Credit-Lecture-Lab	3 credits-4.5 hrs-0 hrs	Course Restrictions	None
	College/School	International Summer School(ERICA)	College/School Responsible	College of Engineering Science
	Meeting Times	10 classes	Electronic Attendance	No

Instructor Info	Department	Architectural Engineering	Name	Kyoo Dong Song
	Contacts	010-3630-5135	E-mail	kdsong@hanyang.ac.kr
	Homepage	http://aesl.hanyang.ac.kr		
Course Type	Teaching Method	Lecture		

Course Description	The class covers design issues and methods for mechanical equipment and systems in buildings, such as heating, cooling and ventilation systems, piping and plumbing systems and fire protection systems.
Course Objectives	A student completing this course should understand basic concepts and design guidelines for building mechanical systems and how to apply the design guidelines to a real building.
Notice for Students	The class material in PDF format can be downloaded from the class website.

Textbook	No.	Title	Author	Publisher	ISBN	Price(KRW)
		None				

Evaluation	Evaluation Criteria	Percentage(%)	Evaluation Criteria	Percentage(%)
	Attendance	10	Quiz	
	Assignments	30	Mid-term Exam	0
	Discussion		Final Exam	60
	Team Project		Participation	
	Other			Percentage(%)



	Total 100 %
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Daily Lecture Plan and Assignments	Day	Title	Activity
	1	Introduction and Overview	Lecture
	2	HVAC Fundamentals	Lecture
	3	HVAC Delivery Systems	Lecture
	4	Cooling Production Equipment and Systems	Lecture
	5	Heating Production Equipment and Systems	Lecture
	6	Air-Handling Equipment and Systems	Lecture
	7	Piping Equipment and Systems	Lecture
	8	Plumbing Equipment and Systems	Lecture
	9	Fire Protection Equipment and Systems	Lecture
10	Final Exam	Exam.	