



HANYANG UNIVERSITY

Hanyang International Summer School

Faculty Information	Name	SeokKoo Kang				
	E-mail	kangsk78@hanyang.ac.kr				
	Home University	Hanyang University				
	Department	Civil and Environmental Engineering				
	Homepage					
Course Information	Class No.	18018	Course Code	MEE3004	Credits	3
	Course Name	Fluid Mechanics 2				
	Lecture Schedule	Mon-Thu /13:00~16:00				
	Course Description	Fluid mechanics course covering the following topics. Momentum analysis of fluid systems, dimensional analysis and modeling, internal flow, and external flow				
	Course Objective	To understand the momentum analysis, dimensional analysis, internal flow, and external flow.				
	Prerequisite	- Calculus, Physics				
	Materials/Textbooks	Fluid mechanics by Yunus Cengel and John Cimbala (3 rd)				
Evaluation	Attendance	20%	Quiz	%		
	Assignment	%	Mid-term Exam	%		
	Presentation	%	Final Exam	80%		
	Group Project	%	Participation	%		
	Etc.	Evaluation Item				Ratio
Daily Lecture Plan	Week 1	Day 1	Opening Ceremony			
		Day 2	Reynolds Transport Theorem & Momentum Analysis of Flow Systems			
		Day 3	Momentum Analysis of Flow Systems			
		Day 4	Momentum Analysis of Flow Systems			
	Week 2	Day 1	Dimensional Analysis and Modeling			
		Day 2	Dimensional Analysis and Modeling			
		Day 3	Dimensional Analysis and Modeling			
		Day 4	Dimensional Analysis and Modeling			
	Week	Day 1	Internal Flow			



	3	Day 2	Internal Flow
		Day 3	Internal Flow
		Day 4	Internal Flow
	Week 4	Day 1	External Flow
		Day 2	External Flow
		Day 3	External Flow
		Day 4	Final exam