

2017학년도 2학기 수업계획서

Course Title	MEU6430-01 마이크로 및 나노 성형공정		
교과목명	마이크로 및 나노 성형공정	Credit	3
Location	공 D601	Time	화7,8 목3
Instructor	강 신 일	Department	공과대학 기계공학과
연구실	제3공학관 C324	연락처	2123-2829
e-mail 및 면담시간	snlkang@yonsei.ac.kr		
수업목표 및 개요	This course provides the understanding of micro & nano structures and their various fabrication methods to be utilized for many industrial applications.		
강좌운영방식	1) Lecture 2) Video lecture		
성적평가방법	Midterm exam : 35% Report and attendance : 10% Final exam : 35% Project : 20% Total : 100%		
교재 및 참고문헌	1. Primary course material : Shinill Kang, "Micro/Nano Replication: Processes and Applications", John Wiley & Sons (2012) 2. Secondary course material : Course Handout (http://nanofab.yonsei.ac.kr -> lecture tag)		
조교정보	Jaehun Im Lab: Engineering Building 3, C330, Nanofabrication & Microoptics Laboratory Phone : 02-2123-2829 E-mail : iamjh@yonsei.ac.kr Webpage : http://nanofab.yonsei.ac.kr		

주	기 간	수 업 내 용	교재범위, 과제물
1	09/01 ~ 09/06	Patterning technology for micro/nano mold fabrication 1	
2	09/07 ~ 09/13	Patterning technology for micro/nano mold fabrication 2	
3	09/14 ~ 09/20	Patterning technology for micro/nano mold fabrication 3	
4	09/21 ~ 09/27	UV imprinting of micro/nano structures 1	
5	09/28 ~ 10/04	추석연휴	
6	10/05 ~ 10/11	UV imprinting of micro/nano structures 2	
7	10/12 ~ 10/18	Hot embossing of microstructured surfaces and thermal nano molding 1	
8	10/19 ~ 10/25	중간시험	
9	10/26 ~ 11/01	Hot embossing of microstructured surfaces and thermal nano molding 2	
10	11/02 ~ 11/08	High temperature Micro/nano molding process 1	
11	11/9 ~ 11/15	High temperature Micro/nano molding process 2	
12	11/16 ~ 11/22	Micro/nano injection molding with an Intelligent Mold System 1	
13	11/23 ~ 11/29	Micro/nano injection molding with an Intelligent Mold System 2	
14	11/30 ~ 12/06	Project Presentation	
15	12/07 ~ 12/13	자율학습	
16	12/14 ~ 12/20	기말시험	