

Course Information	
Course title	Introduction to Nanotechnology
Semester	114-2
Designated for	COLLEGE OF ENGINEERING GRADUATE INSTITUTE OF APPLIED MECHANICS
Instructor	CHIEN-FU CHEN
Curriculum Number	AM7183
Curriculum Identity Number	543EM6460
Class	
Credits	3.0
Full/Half Yr.	Half
Required/ Elective	Elective
Time	Thursday 7,8,9(14:20~17:20)
Remarks	The upper limit of the number of students: 60.
Course introduction video	
Table of Core Capabilities and Curriculum Planning	Table of Core Capabilities and Curriculum Planning
Course Syllabus	
Please respect the intellectual property rights of others and do not copy any of the course information without permission	
Course Description	Nanotechnology is an emerging research field dedicated to realizing and understanding material structures of nanoscale size (0.1 to 100nm). It includes solid-state technology, material science, biotechnology, chemical science, and instrument that cover “top-down” and ”bottom-up” manner to create nanoscale structures. The commercially available products, novel inventions, and other ongoing development will also be introduced.
Course Objective	This course's objectives are to give students a comprehensive understanding of nanotechnology in history, theories, and various practical applications.
Course Requirement	

Student Workload (Expected weekly study hours before and/or after class)										
Office Hours	Appointment required.									
Designated reading										
References	1. Handbook of nanoscience Engineering and Technology, Edited by William A. Goddard, III, CRS press, 2012. 2. Nanostructures & Nanomaterials: Synthesis, Properties & Applications, Guozhong Cao and Ying (Jane) Wang, ? World Scientific Publishing Company, 2010. 3. Relative Journal and conference papers.									
Grading	1. NTU has not set an upper limit on the percentage of A+ grades. 2. NTU uses a letter grade system for assessment. The grade percentage ranges and the single-subject grade conversion table in the NATIONAL TAIWAN UNIVERSITY Regulations Governing Academic Grading are for reference only. Instructors may adjust the percentage ranges according to the grade definitions. For more information, see the Assessment for Learning Section .									
Adjustment methods for students	<table border="1"> <tr> <td>Teaching methods</td> <td></td> </tr> <tr> <td>Assignment submission methods</td> <td></td> </tr> <tr> <td>Exam methods</td> <td></td> </tr> <tr> <td>Others</td> <td>Negotiated by both teachers and students</td> </tr> </table>		Teaching methods		Assignment submission methods		Exam methods		Others	Negotiated by both teachers and students
Teaching methods										
Assignment submission methods										
Exam methods										
Others	Negotiated by both teachers and students									
Progress										
Week	Date	Topic								
No data										