

國立清華大學 111 學年第 2 學期新開課程課程大綱

科號	PME5006	組別	00	學分	3	人數限制	
修課年級	<ul style="list-style-type: none"> ■ 碩士班一年級以上(含博士班) ■ 碩士班二年級以上(含博士班) 						
上課時間	W5W6W7 (星期三 13:20~16:20)			教室	工一館 108		
科目中文名稱	奈微系統技術論壇						
科目英文名稱	Forum on Nano-/Microsystem Technology						
任課教師	北森武彥						
英文授課	Y						
擋修科目	NA			擋修分數	NA		

※下列各欄由任課教師提供※

一、課程說明	<p>In this Forum, internationally renowned scientists, engineers, industry experts and myself will give lectures and bring the latest developments in technology and science, including microfluidics, nanofluidics, MEMS/NEMS, nanophotonics, and nanomaterial, etc, as well as their wide spectrum of applications, from chemistry and energy, to biology and medicine.</p> <p>This course will provide students with clear presentations of fundamental principles of both basic science and applied engineering, and will create a thought-provoking atmosphere in the classroom to help students develop critical thinking and engineering problem-solving skills.</p>	
二、關鍵字	microfluidics, nanofluidics, MEMS, NEMS, nanophotonics, nanomaterial	
三、指定用書/參考書籍	NA	
四、教學主題	Speaker	Topic
	Prof. Fujita (NTHU, UTokyo, Yushan)	MEMS
	Prof. Kitamori (NTHU, UTokyo, Yushan)	Nanofluidics
	Prof. Ohe (NTHU, EE)	Display
	Prof. Masuhara (NYCU)	Nano Chem

	Prof. Maruyama (UTokyo)	Nanomaterial
六、成績考核	1. attendance: 10% 2. reports: 90%	
五、講義位址 http://	eeclass	