

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,  
Department of Applied Materials Science and Technology(Continuing Education)

20220216v3

1 <sup>st</sup> year(111)						2 <sup>nd</sup> year(112)						
	Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester			Course	1 <sup>st</sup> semester		2 <sup>nd</sup> semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses						MUST Core Required Courses						
	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Department compulsory courses	Chemical Engineering Seminar (I)(II)	1	2	1	2	Department compulsory courses	Thesis	3	3	3	3	
	Research Methodology and Thesis Writing			2	2							
	<b>Subtotal</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		<b>Subtotal</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
Department Elective Courses	Special Topic in artificial intelligence	3	3			Department Elective Courses	X Ray Diffraction	3	3			
	Special Topics in Functional Polymers	3	3				Advanced thin film materials	3	3			
	Advanced Semiconductor Manufacturing	3	3				supercritical fluid technology			3	3	
	Spectroscopic Analysis			3	3		Photolithography			3	3	
	Material Design Selection			3	3							
	Advanced Physical Metallurgy			3	3							

Cr./hr.=Credit/hour

Remarks:

- 1.Minimum graduation credits: 34 credits; compulsory credits: 10 credits, electives: 24 credits (elective credits include inter-departmental elective credits).
- 2.Study credits per semester: the lower limit is 1 credit (6 credits not included for the thesis).
- 3.The department allows inter-departmental electives, but the credits of the department's major electives cannot be 18 credits.
- 4.All 6 thesis credits will be granted only after passing the oral exam.
- 5.The elective courses are subject to change if necessary.