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Year of Admission : 112

Degree Program : D-Doctoral Degree

Department/Graduate Institute/Degree Program : D45 - International Ph.D. Program in Biomedical Engineering

※According to the regulation offered by Ministry of Education, credits from distance learning shall not exceed half of total graduation credits.

※Detailed information on digital self-learning courses, please refer to the FAQ page.

List of Courses and Credits (old version) : Link

ENRA121_List of Courses and Credits

List of Courses for International Ph.D. Program in Biomedical Engineering in TMU (Applicable to Newly-Admitted Students from 112 Academic Year)

Category	Course title	Credits	Required/Elective	Full/Half Year	Grade Level 1		Grade Level 2		Grade Level 3		Grade Level 4		Grade Level 5		Grade Level 6		Grade Level 7		Minor	Double Major	Language	Distance Education	Remarks
					Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring					
Core Courses for Postgraduate (Required)	Research ethics	0	R	H	0	0															English	✓	Required to complete Research ethics course once before graduation.
Core Courses for Postgraduate (Required) Subtotal credits		0			0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Core Courses for Postgraduate Students in College (Required)	Seminar	1	R	H	1																English		
	Seminar	1	R	H		1															English		
	Seminar	1	R	H			1														English		
	Seminar	1	R	H				1													English		
Core Courses for Postgraduate Students in College (Required) Subtotal credits		4			1	1	1	1	0	0	0	0	0	0	0	0	0	0					
Core Courses for PhD Students in College (Required)	Special topics in Moon-Shan academia-industry forum	1	R	H	1																English		
	Advanced thesis writing	2	R	H		2															English		
	Special topics in Moon-Shan academia-industry forum	1	R	H		1															English		
Core Courses for PhD Students in College (Required) Subtotal credits		4			1	3	0	0	0	0	0	0	0	0	0	0	0	0					
Required Courses	Tissue engineering for clinical applications	2	R	H	2																English		
	Nanotechnology and nanomaterials applications in medicine	2	R	H	2																English		
	Practices in medical devices & instruments	2	R	H				2													English		
Required Courses Subtotal credits		6			4	0	0	2	0	0	0	0	0	0	0	0	0	0					
Dissertation	Dissertation	12	R	H			12	12													English		
Dissertation Subtotal credits		12			0	0	12	12	0	0	0	0	0	0	0	0	0	0					
Core Courses for PhD Students in College (Elective)	Advanced mechanics of biomaterials	2	E	H		2															English		
	Biological interactions on materials surfaces	2	E	H		2															English		
	Bioprocessing	2	E	H		2															English		
	Nanocarriers for drug delivery	2	E	H		2															English		
	Advanced biomedical engineering	2	E	H		2															English		
	Biomedical engineering for molecular diagnostics and therapeutics	2	E	H		2															English		
Core Courses for PhD Students in College (Elective) Subtotal credits		12			0	12	0	0	0	0	0	0	0	0	0	0	0	0					

Credits Required	Required core courses : 8 credits Featured courses(required) : 6 credits Type : Dissertation credits : 12 credits	Elective Credits Required	Elective core courses : 4 credits
Total Credits Required for Graduation	30 credits	Maximum credits can be waived	9 credits
Notes for Graduating Requirement			
Approved by Academic Affairs Meeting on (time, date)	112/05/17		