

Year of Admission : 109

Degree Program : D-Doctoral Degree

Department/Graduate

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

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 109 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 for treatment of diseases	2	R	H	2																English		
	Practices in medical devices & instruments	2	R	H			2														English		
Required Courses Subtotal credits		6			4	0	2	0	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		
	Applications of tissue engineering in regenerative medicine	2	E	H		2															English		
	Nanocarriers for drug delivery	2	E	H		2															English		
	Biomedical engineering technologies: from bench to bedside to business	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 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)		109/05/13																					