

Ph.D. Program in Molecular Medicine and Translational Research

Study Plan

The Ph.D. Program consists of 7 courses (21 credits) and a Ph.D. thesis. Students are required to complete 3 obligatory courses and one selected elective in the first semester (12 credits) and 2 obligatory and one selected elective in the second semester (9 credits). (Total of 21 credits). Students are required to pass the qualification Exam and submit a research proposal before they register for the thesis. The requirements for completion of the Ph.D. degree are an accepted thesis and a minimum of two published paper.

Year	Semester	Course Title	Type	Course No.	Credit hrs	Total	
1	1	Immunotherapy of Cancer	Obligatory	0900801	3	12	
		Cytokines and chemokines; basic concepts, receptors, and role in biotherapy	Obligatory	0900802	3		
		Advanced Techniques in Molecular Biology I (Lab)	Obligatory	0900803	3		
		Major Histocompatibility Complex; fundamentals and association with disease	Selected Elective	0900804	3		
		Specific and natural cell-mediated cytotoxicity; mechanisms and regulation	Selected Elective	0900805	3		
	2						9
		Advanced Molecular Immunology	Obligatory	0900806	3		
		Vascular Biology	Selected Elective	0900807	3		
		Biology of Tumor progression	Selected Elective	0900808	3		
		Advanced Techniques in Molecular Biology II (Lab)	Obligatory	0900809	3		
		Qualification Exam	Obligatory	0900810	0		
		Proposal	Obligatory	0900811	3		
2		Dissertation	Obligatory	0900812	9		
3		Dissertation	Obligatory	0900812	9		