PhD in PHYSICS

CURRICULUM

	SEM	CODE	COURSE	CREDITS	TOTAL SEMESTER
DOCTORAL PROGRAM	1º	FIM8530 or FIM8351	CLASSICAL ELECTRODYNAMICS or MODERN OPTICS AND PHOTONICS	15	45
		FIM8440 or FIM8340	ADVANCED QUANTUM MECHANICS I or ATOMIC AND MOLECULAR PHYSICS	15	
		VRI0100	PLACEMENT ENGLISH TEST OR EQUIVALENT	0	
			ELECTIVE	15	
	2º	FIM8451	ADVANCED STATISTICAL MECHANICS I	15	45
			ELECTIVE	15	
			ELECTIVE	15	
		VRI0002	ETHICS AND INTEGRITY IN RESEARCH WORKSHOP	0	
	3º	FIM8610	QUALIFYING EXAMINATION	40	50
			ELECTIVE	10	
	4º	FIM8611	DOCTORAL THESIS I	40	40
	5º	FIM8612	DOCTORAL THESIS II	40	40
		FIM8203	MONITORING ACTIVITY I	0	
	6º	FIM8613	DOCTORAL THESIS III	40	40
	7º	FIM8614	DOCTORAL THESIS IV	40	40
		FIM8204	MONITORING ACTIVITY II	0	
	8º	FIM8615	DOCTORAL THESIS V	40	40
		FIM8300	SCIENTIFIC ARTICLE OR PATENT	0	
	DOCTORAL THESIS DEFENSE				
TOTAL PhD CREDITS					**340**

Additional requirements for obtaining a doctoral degree:

* To have certified proficiency in a second language other than the mother tongue, according to the guidelines established by the Graduate School of the Vice Rector's Office for Research;

* To have passed the workshop on Ethics and Integrity in Research and two workshops on transversal skills, all coordinated by the Graduate School of the Vice Rector's Office for Research