INTERNATIONAL UNIVERSITY OF SARAJEVO (IUS)						
Faculty of Engineering and Natural Sciences (FENS)						
Doctor of Philosophy (Ph.D.) in Mechanical Engineering						
Course Group	**ECTS**	**Course Code**	**Course title**	**Course type**	**ECTS**	**Pre-requisite**
Elective courses	48	ME503	Advanced Fluid Dynamics	elective	6	_
		ME608	Turbulence Modelling and Simulation	elective	6	_
		ME517	Advances Mathematics for Engineers and Scientists	elective	6	‒
		ME610	Physical Transport Phenomena	elective	6	_
		ME504	Advanced Thermodynamics	elective	6	_
		ME603	Optics and Lasers	elective	6	_
		ME607	Computational Fluid Dynamics	elective	6	_
		ME602	Mesuring techniques and Instrumentation	elective	6	_
		ME605	Research Activity	elective	6	_
		ME606	Research Activity II	elective	6	_
		ME680	Special Topics in Engineering	elective	6	_
PhD Thesis	120	ME690	PhD Thesis	required	120	
Total	168					

Graduate Studies: Summary of conditions for successful completion of studies

Category	ECTS	Notes:			
Courses	48	Courses should be not less than 48 ECTS in total, out of which at least 24 ECTS must be taken from 600 level courses (4 courses). Minimum 4 courses have to be chosen from the pool of the Programme Elective Courses, while additional 4 courses can be chosen from the Area Elective Pool. The Area Elective courses are all courses offered at FENS with level 500 and higher.			
Scientific Activity (Research Seminar)	12	At least one contribution approved by the mentor and Faculty Council in indexed journal (or peer-reviewed international conferences) is required: 1. a journal paper published in an indexed journal (worth 12 ECTS), 2. a conference proceedings (worth 6 ECTS).			
PhD thesis	120	To be eligible to defend doctoral thesis, a PhD candidate has obligation to provide at least one published or accepted (DOI number is required) SCImago Q1/Q2/Q3 or SCI/SCI-Exp. journal paper, related to her/his thesis topic in which the candidate has to be the first author.			
Total	180				