

**PART-TIME DOCTORAL STUDIES PROGRAMME FOR  
„THEORY AND TECHNOLOGY OF FOUNDRY ENGINEERING PROCESSES”  
OFFERED AT THE FACULTY OF FOUNDRY ENGINEERING  
AT THE AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY**

The programme was approved by the Council of the Faculty of Foundry Engineering  
on 17 January 2011.

Item no.	Course	Year	1		2		3		4		Overall
	Subject	Semester	S1	S2	S3	S4	S5	S6	S7	S8	
	W – lecture S – seminar C - class	Credit Exam									
1.	Selected mathematical problems <i>Faculty of Foundry Engineering</i> <i>Dr Andrzej Janas, (PhD)</i> <i>mgr Paweł Żak (MSc)</i>	Credit	15	15							30
2.	Economy <i>Faculty of Management</i> <i>Prof. dr hab. Marianna Księżyk (prof. PhD)</i>	Exam	30	30							60
3.	Information technology in foundry I <i>Faculty of Foundry Engineering</i> <i>Prof. dr hab.inż. Józef S. Suchy( PhD)</i>	Credit	25								25
4.	Information technology in foundry II <i>Faculty of Foundry Engineering</i> <i>Dr hab. inż. Andriy Burbelko, prof. nadzw. AGH (PhD, professor of AGH)</i>	Credit		20							20
5.	Foreign language <i>Department of Foreign Languages</i>	Credit			30	30					60
6.	Mathematical methods of research	Credit			15	15					30

	description <i>Faculty of Foundry Engineering</i> <i>Dr Andrzej Janas, (PhD)</i> <i>mgr Paweł Żak (MSc)</i>										
7.	Modern methods of materials' testing <i>Faculty of Foundry Engineering</i> <i>Prof. dr hab .inż. Edward Guzik( PhD)</i>	Credit			20						20
8.	Selected problems in surface engineering <i>Prof. Vincent Vignal</i>	Credit			15						15
9.	Sustainable development <i>Faculty of Foundry Engineering</i> <i>Prof. dr hab. Mariusz Holtzer (prof. PhD)</i>	Credit				15					15
10.	Selected problems in metallurgical processes (W + S) (student's choice) <i>Faculty of Foundry Engineering</i>	Exam					30	15			45
11.	Selected problems in machinery theory and foundry designing systems (W + S) (student's choice) <i>Faculty of Foundry Engineering</i>	Exam					30	15			45
12.	Selected problems in ceramic materials, mould technology and thermal processes (W + S) (student's choice) <i>Faculty of Foundry Engineering</i>	Exam					30	15			45
13.	Selected problems in corrosion of materials and environmental protection (W + S) (student's choice) <i>Faculty of Foundry Engineering</i>	Exam					30	15			45

14.	Doctoral seminar		10	10	30*	30	60				
15.	Classes run and assisted by a doctoral student	Credit	30 - 90	30 - 90	30 - 90	30 - 90	120-360				
16.	Opening of doctoral thesis' procedures				X						
17.	Presentation of progress towards doctoral dissertation (faculty's seminar)		X	X	X	X**					
18.	Submission of doctoral dissertation (faculty's seminar)								X		
19.	Foreign language	Exam									before the defence of doctoral thesis
20.	Field of study subject	Exam									before the defence of doctoral thesis
21.	<b>Defence of doctoral thesis</b>								X		

\* upon embarking on PhD programme

\*\* should doctoral studies be prolonged

Notice:

1. Each student is obliged to complete two thematic units from the above (sections 10-13) which are related to the subject of dissertation (in consultation with Supervisor).
2. In justified cases it is possible to postpone the defense of PhD thesis for 1 year.
3. Each thematic unit will start if it is chosen by two or more students. In other case classes will be held jointly for year 2 and 3.
4. Each student will participate in classes amounting to 365 hours, including 90 hours reserved for student's choice.
5. Classes taught or assisted by a PhD student (if studies extent to year 5 – 90 hours).
6. Should the studies be extended to year five, 30 h doctoral seminar conditioned by the submission of doctoral dissertation.