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.)

Year 1:

Selected mathematical problems	(W+C)	S1	15 h ;	S2	15 h;	Σ30 h
Economy **E** (W+S)		S1	30 h;	S2	30 h;	Σ60 h
Information technology in foundry I i II (W+S)		S1	25 h	S2	20 h	Σ45 h
Overall:						135 h

Year **2**

Foreign language	S3	30 h	S2	30h	Σ60 h
Mathematical methods of research description (W+S)	S3	15 h	S4	15 h	Σ30 h
Sustainable development (W+S)			S4	15 h	Σ15 h
Modern methods of materials' testing (W+C)	S3	20 h			Σ20 h
(Selected problems in surface engineering (W)	S3	15 h			Σ15 h
Overall:					**140 h**

Year **3**

Metallurgical processes – selected problems	(W+S)	S5	30 h	S6	15 h	Σ45 h
Machinery theory and foundry designing systems – selected problems (W+S)		S5	30 h	S6	15 h	Σ45 h
Moulding materials, form, and thermal processes' technologies – selected problems (W+S)		S5	30 h	S6	15 h	Σ45 h
Materials' corrosion and environmental	(W+S)	S5	30 h	S6	15 h	Σ45 h
Overall:						**180 h**

Lear 4

Doctoral seminar	S1-2 10h, S3-4 10h, S5-6 30h, S7-8 30 h	Σ80 h
Overall:		**80 h**

General courses: foreign language (60 h), sustainable development (15 h); (overall 75 h)

Basic courses: economics (60 h), mathematics (30 h); (overall 90 h)

Major courses: mathematical methods of preparing results (30h), information technology for foundry engineering (45 h), contemporary methods of studying materials (20 h), selected problems in surface engineering, selected problems in …………………… (2 x 45 h); (overall 200 h).

Overall: 365 h + 80 h (doctoral seminar)

Should the studies be extended to year five, 30 h doctoral seminar conditioned by the submission of doctoral dissertation.

W – lecture
S – seminar
C – class
E - exam