

SYLLABUS FOR DOCTORAL DEGREE PROGRAMME IN *MATHEMATICS*
offered by the Faculty of Mathematics, Computer Science and Econometrics
University of Zielona Góra

1. Length of the course: 4 years (8 semesters)
2. ECTS credits granted: 60, including
 - a) compulsory courses: 34 ECTS
 - lecture I and II: 6 ECTS (semester I, each lecture - 3 ECTS)
 - doctoral seminar: 16 ECTS (semesters I-VIII, each seminar – 2 ECTS)
 - teaching practice: 12 ECTS (semesters II – VII, each teaching practice – 2 ECTS)
 - b) elective courses: 21 ECTS
 - lecture I and II (semester II, each lecture – 3 ECTS)
 - lecture I (semesters III-VII, each lecture – 3 ECTS)
 - c) doctoral examinations: 5 ECTS
 - doctoral minor field examination (3 ECTS)
 - doctoral foreign language examination (2 ECTS)

Elective courses are designed to give our doctoral students knowledge of modern methods and techniques of teaching, and achieve qualifications to use these skills in practice. The courses comprise 10 ECTS credits and their content is covered in lecture I (semesters III-VII, 2 ECTS each).

3. Successful completion of the above mentioned courses leads to achieving learning outcomes for doctoral degree programmes in *mathematics* given in section 5. The learning outcomes also encompass qualifications designed to prepare students for careers in university teaching, including (especially) teaching methods and new technologies used in higher education.

4. Semesters II-VII are devoted to teaching practice (30 hours per semester), during which students will independently teach some classes or assist a research and teaching employee of the Faculty of Mathematics, Computer Science and Econometrics.

5. Syllabus for doctoral degree programme in mathematics (annex No. 1)

SYLLABUS FOR DOCTORAL DEGREE PROGRAMME IN MATHEMATICS**YEAR I**

Course name	Fall semester				Spring semester			
	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment
Lecture I	compulsory	30	3	exam	elective	30	3	exam
Lecture II	compulsory	30	3	exam	elective	30	3	exam
Doctoral seminar	compulsory	30	2	credit	compulsory	30	2	credit
Teaching practice	-	-	-	-	compulsory	30	2	credit
total:		90	8			120	10	

YEAR II

Course name	Fall semester				Spring semester			
	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment
Lecture I	elective	30	3*	exam	elective	30	3*	exam
Doctoral seminar	compulsory	30	2	credit	compulsory	30	2	credit
Teaching practice	compulsory	30	2	credit	compulsory	30	2	credit
total:		90	7			90	7	

YEAR III

Course name	Fall semester				Spring semester			
	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment
Lecture I Wykład I	elective	30	3*	exam	elective	30	3*	exam
Doctoral seminar	compulsory	30	2	credit	compulsory	30	2	credit
Teaching practice	compulsory	30	2	credit	compulsory	30	2	credit
total:		90	7			90	7	

YEAR IV

Course name	Fall semester				Spring semester			
	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment	Type of course compulsory/elective	Hours	ECTS credits	Form of assessment
Lecture I	elective	30	3*	credit	-	-	-	-
Doctoral seminar	compulsory	30	2	credit	compulsory	30	2	credit
Teaching practice	compulsory	30	2	credit	-	-	-	-
Doctoral minor field examination	-	-	-	-	compulsory	-	3	exam
Doctoral foreign language	-	-	-	-	compulsory	-	2	exam

examination								
total:		90	7			30	7	

* - learning outcomes achieved on completion of „Lecture I” course encompass knowledge of modern methods and techniques of teaching (2 ECTS each)