

FACULTY OF PURE AND APPLIED MATHEMATICS

SUBJECT CARD

Name in Polish: Praca dyplomowa

Name in English: Diploma thesis

Main field of study (if applicable): Applied Mathematics

Specialization (if applicable): Financial and Actuarial Mathematics;
 Mathematics for Industry and Commerce;
 Data Engineering;
 Modelling, Simulation and Optimization

Level and form of studies: ~~1st~~ 2nd* level, full-time / ~~part-time~~*

Kind of subject: obligatory / ~~optional~~ / ~~university-wide~~*

Subject code

Group of courses YES / NO*

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)					30
Number of hours of total student workload (CNPS)					690
Form of crediting					Examination / crediting with grade*
For group of courses mark (X) final course					
Number of ECTS points					23
including number of ECTS points for practical (P) classes					10
including number of ECTS points for direct teacher-student contact (BK) classes					5

*delete as applicable

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. Student has the advanced knowledge and skills in the field of mathematical analysis, functional analysis and the theory of differential equations
2. He has deeper knowledge and skills in the field of probability theory, mathematical statistics and the theory of stochastic processes.

SUBJECT OBJECTIVES

C1 Getting to know new developments and methods used in various applications of mathematics.

SUBJECT EDUCATIONAL EFFECTS

relating to knowledge:

PEK_W01 knows the basic models and methods used in various applications of mathematics

PEK_W02 knows the basics of stochastic modeling

relating to skills:

PEK_U01 able to construct basic mathematical models used in various fields

relating to social competences:

PEK_K01 can benefit from the scientific literature (including in foreign languages), including reaching the source materials and make them review

TEACHING TOOLS USED

N1. Student's own work - searching for information, writing thesis analysis of real data

N2. Consultations

EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT

Evaluation (F – forming (during semester), P – concluding (at semester end))	Educational effect number	Way of evaluating educational effect achievement
F1	PEK_W01 PEK_W02 PEK_U01 PEK_K01	evaluation of the student's self work, the assessment of the thesis

P=F1

PRIMARY AND SECONDARY LITERATURE

SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)

Prof. dr hab. Aleksander Weron (Aleksander.Weron@pwr.edu.pl)

Dr hab. Jan Goncerzewicz (Jan.Goncerzewicz@pwr.edu.pl)

Prof. dr hab. Krzysztof Szajowski (Krzysztof.Szajowski@pwr.edu.pl)

Dr hab. Agnieszka Jurlewicz, prof. nadzw. PWr. (Agnieszka.Jurlewicz@pwr.edu.pl)

Dr hab. Marcin Magdziarz, prof. nadzw. PWr. (Marcin.Magdziarz@pwr.edu.pl)

Dr hab. Agnieszka Wyłomańska, prof. nadzw. PWr. (Agnieszka.Wylomanska@pwr.edu.pl)

Dr Monika Muszkieta (Monika.Muszkieta@pwr.edu.pl)

Dr hab. Krzysztof Burnecki, prof. nadzw. PWr. (Krzysztof.Burnecki@pwr.edu.pl)

Dr Joanna Janczura (Joanna.Janczura@pwr.edu.pl)