



DESCRIPTION



This programme contains courses from three subject groups: management, formal methods in decision making and applications of computer science in management. The management courses cover macroeconomic phenomena, management methods and concepts, the legal basis for business activities, as well as sociological, psychological and ethical aspects of management. The courses offered within the second group concern methods which are useful in decision making, such as advanced methods of analysing business data, data mining, discrete optimization, network flows, decision games etc. The courses related to applications of computer science in management cover - integrated information systems, identification and analysis of management problems, analysis of requirements - are related to tools and methodologies applied in business information systems. Students have the opportunity to attend organized classes and also work individually. At the end of their studies, students are obliged to prepare an MSc dissertation and to pass a final (diploma) exam. The knowledge and skills obtained during their studies give graduates the possibility to find jobs in the field of management (including software project management), as managers, analysts, advisors and consultants in business or non-profit (public) organizations. The knowledge and skills obtained also provide a good basis for successfully running one's own business activities or advance further to third degree study (PhD, doctoral study) in the area of formal methods and applications of computer science in management.

ABOUT STUDIES

- » **Duration:** 4 semesters
- » **Mode of study:** Full time
- » **Language of instruction:** English
- » **Start date:** 1st October 2019
- » **Programme coordinator:**
Prof. Rafał Weron,
rafal.weron@pwr.edu.pl

JOB PROSPECTS



- The knowledge and skills obtained give graduates the possibility of getting a job as:
- » an analyst of management information systems (MIS),
 - » an analyst of decision making processes,
 - » an analyst of enterprise business processes,
 - » a consultant in the area of management computerization,
 - » a business information systems requirements engineer,
 - » a management information systems implementation officer,
 - » a management information systems maintenance officer,
 - » a manager/director of an information technology department/section,
 - » in public and private organizations (industry, healthcare, education, services, commerce, central and local authority institutions, etc.).

ENTRY INFORMATION



- Required: Bachelor Degree or Engineer degree.
- Each application is assessed individually on its merits.
- If in doubt, please contact the Admission Officer:
admission@pwr.edu.pl
- » **Deadline for application:**
Non EU/EFTA students: admission.pwr.edu.pl
»» Application deadlines & Calendar
EU/EFTA students see:
www.rekrutacja.pwr.edu.pl/en2/
»» Application deadlines & calendar
 - » **English:** Equivalent of minimum TOEFL IBT - 87points or 6.5 points IELTS . List of accepted language certificates can be checked online
 - » **Tuition fee:**
Non EU/EFTA students: **2000 EUR** per semester
EU/EFTA students: **no tuition fee**
 - » **Application fee:**
Non EU/EFTA students:
www.admission.pwr.edu.pl »» Fees
EU/EFTA students see:
www.rekrutacja.pwr.edu.pl »» Fees

CONTENT



Forms of teaching: lectures, laboratories, tutorials, projects, seminars, research.

SEMESTER 1

- » Business Statistics
- » Information Systems Analysis
- » Internet Information Services and Systems
- » Logistics Management Tools
- » Legal protection of information
- » Macroeconomic modeling
- » Management Accounting
- » Operations Research
- » Process Management

SEMESTER 2

- » Business Data Analysis
- » Discrete Optimization and Network Flows
- » Econometrics
- » Contemporary Management
- » Management Information Systems
- » Management Information Systems Modeling
- » Seminar I

SEMESTER 3

- » Business Process Modeling
- » Data Mining
- » Games and Decisions in Management
- » MSc Thesis I
- » Business Object Modeling
- » e-Economy
- » Organizational Psychology
- » Seminar II

SEMESTER 4

- » Foreign Language
- » Polish Language
- » Management Ethics
- » MSc Thesis II
- » Strategic Management
- » Work environment physics II
- » Legal protection and commercialization of knowledge
- » Sport activities



Questions? Please contact Admission Office
e-mail: admission@pwr.edu.pl, phone: +48 71 320 37 11, +48 71 320 31 70, +48 71 320 37 19, +48 71 320 44 39