POZNAN UNIVERSITY OF TECHNOLOGY

Engineering Management

Programme description

The course delivers competences not only in management, economics and law, but in engineering disciplines as well. Such competences enable the graduate professional acting in the meeting of the enterprise and the customer. The graduate is able to associate technological issues with economic and marketing problems in the context of global business. The graduate is also prepared to analyze the market and play both the function of sales manager, as well as the initiator of change in the enterprise's organization and management systems. The graduates gains the entrepreneurial skills. In order to complete the studies, a student is obligated to write an engineering dissertation within the field of Industrial Management.

Course summary:

Semester 1
- Mathematics
- Basics of Management
- Microeconomics
- Advanced functions of MS Office
- Computer-aided Engineering Drawing
- Introduction to Engineering
- Organizational behavior
- Foreign Language
- Physical Exercises
- A Short Course for Library Users
- A Short Course in Occupational Safety

Semester 2
- Mathematics
- Technical Physics / Chemistry
- Finances
- Organization Theory
- Materials Science – properties and applications of materials
- Social Psychology / Sociology
- Organization of work station and work study
- Computer programming 1
- Foreign Language
- Physical Exercises

Semester 3
- Financial Accounting
- Marketing
- Computer programming 2
- Ergonomics
- Computer-aided design
- Strength of Materials
- Foreign Language

Semester 4
- Electronics and Electrical Engineering / Quantum Physics
- Financial Accounting
- Software Engineering
- Project Management
- Human Resources Management
- Machine Technology and Design of Production Processes 1
- Organization of Production Preparation / Organization of Supporting Processes
- EC(tl1) Ergonomics-oriented Design / Product Ergonomics
- Payment Systems
- Law Elements

Semester 5
- Production Management
- Descriptive and elements of applied statistics
- Quality Management
- Machine Technology and Design of Production Processes 2
- Marketing Research
- Financing of enterprise
- Telecommunication / Introduction to Signal Processing
- Philosophy / Ethics
- Theoretical basics of quality

Semester 6
- Infrastructure of Industry 4.0
- Production Management
- Management Information Systems
- Intellectual Property
- Automation and Industrial Robotics / Mobile transport systems
- EC(tl2) IT Systems Transition / Web Page Design
- EC(tl3) Warehouse Management / Organization of Production and Logistics in Automotive Industry
- EC(ml1) Enterprise Competitiveness / Foundations of Commercial and National Insurance
- EC(ml2) Intercultural Communication / Organizational Structures of Contemporary Enterprises
- EC(tl 4) Intelligent Management Support Systems / Management of IT Systems Security
- Knowledge-based economy
- Internships

Semester 7
- Team Project
- Industrial Project / Organizational Consulting
- Designing industrial plants / Design of Production Systems
- EC(ml3) Economics of Sustainable Development / Innovation Processes and Patents
- EC(ml4) Marketing in Commerce and Services / Negotiations and Negotiation Techniques
- Diploma Seminar with introduction to scientific research

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Engineering Management

University	Poznan University of Technology Poznan, POLAND
Degree to be obtained	Bachelor of Science, Eng.
Programme website	http://www.put.poznan.pl/en
Contact	International Relations Office Pl. M. Skłodowskiej-Curie 5 60-965 Poznan, Poland
Phone	+48 61 665 3544
Fax	+48 61 665 3956
E-mail	study@put.poznan.pl
Language of instruction	English
ECTS points	210
Duration	3.5 years (7 semesters)
Programme begins	end of September
Programme ends	end of February
Deadline for application	middle of July
Education requirements	English language – level B2 (Common European Framework), Secondary school certificate which entitles its holder to apply to higher education institutions. Full list of the required documents is available at: http://www.put.poznan.pl/en
Mode of instruction	Lectures, classes, laboratory classes, projects, internships