



# Construction Technology Management

Field of study: Civil Engineering



## Course summary\*:

### Semester 1

- MATHEMATICS IN BUSINESS
- ENERGY TECHNOLOGY IN CONSTRUCTION
- INFORMATION TECHNOLOGY IN CONSTRUCTION
- DESIGN OF STRUCTURES
- COMPUTATIONAL MECHANICS
- CONSTRUCTION TECHNOLOGY
- ENGLISH FOR CONSTRUCTION MANAGER
- MEASUREMENT IN CONSTRUCTION
- ENTERPRISE MANAGEMENT
- FLEXIBILITY IN ENGINEERING DESIGN

### Semester 2

- MULTIDISCIPLINARY PROJECT
- CONSTRUCTION TECHNOLOGY LABORATORY
- ENTERPRISE MANAGEMENT
- ENGINEERING ENTREPRENEURSHIP
- CONSTRUCTION PROCESS DESIGN
- QUALITY MANAGEMENT
- MOBILE SYSTEM APPLICATION IN CONSTRUCTION
- SYSTEM DESIGN AND MANAGEMENT

### Semester 3

- ELECTIVE SUBJECT I: TEAM BUILDING
- ELECTIVE SUBJECT II: INTELLECTUAL PROPERTY
- DIPLOMA SEMINAR
- PREPARATION OF DIPLOMA WORK
- PREPARATION FOR DIPLOMA EXAM

## Programme description

Aim of the study is to prepare Master of civil engineering having the second cycle university education, capable to explore, execute (start) and exploiting innovation in civil engineering based on system approach (information, energy, communication, transport systems).

General idea of this course is to: find innovation area (first semester), generate and examine innovation options (second semester) and execute innovations (third semester). This study is prepared in cooperation with leaders at construction market (international corporations and SME) taking into consideration examining possibility to solve real problems.

During the course there are possible summer paid internships for students in the field of construction technology.

During this Master Studies students working in teams (international: United States, France, United Kingdom, Switzerland, Germany, Finland and Czech Republic, Lithuania, Poland) will be prepared to: (1) work in partner enterprises (corporations or SME), (2) work on PhD (3 level of study). Creation of SPIN-OFF/START-UPP is also taken into consideration as a result of this Master program.

\* We reserve the possibility of introducing corrections into the course summary



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<b>University</b>	Poznan University of Technology Poznan, POLAND
<b>Degree to be obtained</b>	Master of Science
<b>Department</b>	Faculty of Civil and Environmental Engineering
<b>Address</b>	Piotrowo 5 60-965 Poznan Phone: +48 61 665 2490 Fax: +48 61 665 2444
<b>Programme web site</b>	<a href="http://www.put.edu.pl/">http://www.put.edu.pl/</a>
<b>Contact</b>	Lifelong Learning and International Education Office Pl. M. Skłodowskiej-Curie 5 60-965 Poznan
<b>Phone</b>	+48 61 665 3544
<b>Fax</b>	+48 61 665 3956
<b>E-mail</b>	<a href="mailto:study@put.poznan.pl">study@put.poznan.pl</a>
<b>Language of instruction</b>	English
<b>Tuition fee</b>	EU citizens: free of charge NON-EU citizens: 2000 EUR per year
<b>Registration fee</b>	EU citizens: 85 PLN NON-EU citizens: 200 EUR
<b>ECTS points</b>	90
<b>Duration</b>	1,5 years (3 semesters)
<b>Programme begins</b>	3 semesters – end of February
<b>Programme ends</b>	end of June
<b>Deadline for application</b>	1 months before the course starts – end of January
<b>Education requirements</b>	English language – level B2 (Common European Framework), Bachelor of Science degree (or equivalent). Full list of the required documents is available at <a href="http://www.put.edu.pl/">http://www.put.edu.pl/</a>
<b>Mode of instruction</b>	Lectures, classes, laboratory classes, projects, internships

