1010134221010104918

Course (compulsory, elective)

obligatory

3

ECTS distribution (number

1/2

Year /Semester

No. of credits

Name of the module/subject

Elective path/specialty

Field of study

Cycle of study:

No. of hours

Lecture:

Descriptive geometry and technilca drawings

**Environmental Engineering Extramural First-**

First-cycle studies

Classes:

Education areas and fields of science and art

Responsible for subject / lecturer:

Status of the course in the study program (Basic, major, other)

(brak)

Knowledge	basic knowledge of the geometry at the advanced level in secondary
Skills	The ability to gain information from the recommended sources and f
Social competencies	Focus on increased knowledge in order to improved participate in pr
mptions and obj	ectives of the course:
oblems in the field of e	
	ecute the mechanical, building construction and building installation dra
	mes and reference to the educational results for a fi
vledge:	
e student knows the rundicular - [[K_W01]]	les of the presentations of spatial formations on the plane using metho
student knows the ba	sic rules of mechanical, building construction and building installation
s:	
dents are able to prese	ent on the plane data explicitly or created imaginary geometric figures
dents can construct se 02, K_U07]]	ctions and penetration lines of solid figures taken from practice of engi
student can make ar	nd read the basic mechanical, building construction and building instal
al competencies:	
The student is awa	re of the importance of technical drawing as a way to communicate re
Students are resp [2]]	onsible for the accuracy of obtained results of their work and are able
	Social competencies imptions and objipment student's ability oblems in the field of evaluating the ability to execute student knows the ruladicular - [[K_W01]] student knows the base dents are able to presedents can construct secute. [K_U07]] student can make are student can make are student can make are student is awas student is awas student is awas student is awas students are response.

## Responsible for subject / lecturer:

dr inż. Julian Skiba dr inż. Tomasz Schiller

Laboratory:

email: julian.skiba@put.poznan.pl email: tomasz.schiller@put.poznan.pl

tel. 61 6652078 tel. 61 6652078

Faculty of Civil and Environmental Engineering Faculty of Civil and Environmental Engineering

STUDY MODULE DESCRIPTION FORM

Profile of study

Subject offered in:

Form of study (full-time,part-time)

Project/seminars:

(brak)

(general academic, practical)

**Polish** 

(university-wide, from another field)

part-time

14

(brak)

and %)

ul. Berdychowo 45 60-965 Poznań ul. Berdychowo 4 60-965 Poznań

#### Prerequisites in terms of knowledge, skills and social competencies:

1	Knowledge	Basic knowledge of the geometry at the advanced level in secondary school		
2	Skills	The ability to gain information from the recommended sources and find a new one		
3	Social competencies	Focus on increased knowledge in order to improved participate in professional life		

- methods to solve some of
- awings.

#### eld of study

- od projections into planes
- drawings. [-]
- [[K\_U01, K\_U02]]
- ineering -
- llation drawings. -
- levant technical sciences
- to provide interpretation -

# Poznan University of Technology Faculty of Civil and Environmental Engineering

Written tests and appreciation of self-made drawings.	
Criteria for evaluation:	
91 -100 ?5? (A)	
81 - 90 ?4,5? (B)	
71 - 80 ?4,0? (C)	
61 - 70 ?3,5? (D)	
51 - 60 ?3,0) (E)	
50 and below ?2? (F)	
Course description	
Projections point, straight line and plane into three mutually perpendicular projection planes. The rules of and penetration lines of solid figures. Size and graphical form of drawing sheets. 4. Line work? line typ application on engineering drawings. Cross sections. General rules of dimensioning. Drawing of unco connections. Complex drawing. Conventional and simplified graphical symbols used in building constructions building installation drawings.	be, thickness and supled and coupled
Basic bibliography:	
Additional bibliography:	
Result of average student's workload	
Activity	Time (working hours)
Participation in tutorials	14
2. Participation in projects	14
3. Participation in classes	0
4. Drafting drawing at home	14
5. Departing to the tests	0
5. Preparing to the tests	U

### Student's workload

Source of workload	hours	ECTS
Total workload	28	3
Contact hours	14	0
Practical activities	14	0