

Skills:		
U01	Student is able to solve task related to designation of penetration lines of surface;	AU1_U06
U02	Student is able to draught solid perspective and its shadows;	AU1_U06
U03	Student is able to draught perspective of architectural detail with proper arrangement.	AU1_U07
Social competences:		
K01	Student can work over a set task independently;	AU1_K01
K02	Student understands the need of continuous self-education.	AU1_K03
The evaluation methods		
Formative assessment: <ul style="list-style-type: none"> • 3 Tests per term, evaluation in points: 0-20 points. • Homework – project in A3 format, essential quite correct, there is assessed the quality of work, evaluation in points: 5-10 points. Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0		
Summative assessment: <ul style="list-style-type: none"> • Credit of classes based on mentioned above documented knowledge and skills. • Exam (2,5 h) – preparation of architectural detail perspective, assignation of shadows, arrangement. Final grading scale: 2,0; 3,0; 3,5; 4,0; 4,5; 5,0		
Positive grade for module depends on achieved by student all learning outcomes specified in the syllabus.		
Course contents		
<ul style="list-style-type: none"> • Section through the surface (cone) • Penetrate the surface (method of managerial planes) • Penetrate the surface (method of clipping planes) • Shadows to the surface and interior • Shadows to the inside of vaults • Direct perspective, scales of confluence, shadows in parallel illumination to the background • Intermediate perspective, measuring points, points of partial measuring. Cone perspective • Shadows in perspectives, shadows inside • Front perspective, perspective of a circle • Perspective of mirror reflections 		
Basic bibliography: <ol style="list-style-type: none"> 1. W. Jankowski, <i>Geometria wykreślna</i> Wydawnictwo Politechniki Poznańskiej, Poznań 1993 (i późniejsze), 2. B. Grochowski, <i>Geometria wykreślna z perspektywą stosowaną</i> Wydawnictwo Naukowe PWN, Warszawa 1999 (i późniejsze), 		
Supplementary bibliography: <ol style="list-style-type: none"> 1. Otto F., Otto E., <i>Podręcznik geometrii wykreślnej</i>, PWN, Warszawa 1979 (i późniejsze) 2. Korczak J., Prętki Cz., <i>Przekroje i rozwinięcia powierzchni walcowych i stożkowych</i>, Wydawnictwo PP, Poznań 1993 (i późniejsze) 3. Bartel K., <i>Perspektywa malarska tom 1</i>, PWN, Warszawa 1955 		
The student workload		
Form of activity	Hours	ECTS
Overall expenditure	75	3
Classes requiring an individual contact with teacher	50	2
Practical classes	50	-

Balance the workload of the average student

Form of activity	Number of hours
participation in lectures	15 h
participation in classes/ laboratory classes (projects)	30 h
preparation for classes/ laboratory classes	5 h
preparation to colloquium/final review	15 h
participation in consultation related to realization of learning process	-
preparation to the exam	7,5
attendance at exam	2,5

Overall expenditure of student: **3 ECTS credits** **75 h**

As part of this specified student workload:

- activities that require direct participation of teachers:

2 ECTS credits