

COURSE DESCRIPTION CARD			
The name of the course/module GREENERY DESIGN		Code A_K_1.5_006	
Main field of study ARCHITECTURE		Educational profile (general academic, practical) general academic	Year / term III/5
Specjalization -		Language of course: Polish	Course (core, elective) core
Hours Lecture: - Classes: - Laboratory classes: - Projects / seminar: 45		Number of points 3	
Level of qualification: I	Form of studies (full-time studies/part-time studies) Full-time studies and part-time studies	Educational area(s) Technical Sciences	ECTS distribution (number and %) 3 100%
Course status in the studies' program (basic, directional, other) directional		(general academic, from a different major) -	
Lecturer responsible for course: dr inż. arch. Hanna Michalak e-mail: hanna.michalak@put.poznan.pl Wydział Architektury ul. Nieszawska 13C, 61-021 Poznań tel.: 061 665 32 60		Lecturer: dr inż. arch. Hanna Michalak e-mail: hanna.michalak@put.poznan.pl Wydział Architektury ul. Nieszawska 13C, 61-021 Poznań tel.: 061 665 32 60	
Prerequisites defined in terms of knowledge, skills, social competences:			
1	Knowledge:	<ul style="list-style-type: none"> ▪ Student has basic knowledge on development trends in urban planning, 	
2	Skills:	<ul style="list-style-type: none"> ▪ Student can acquire information from publications, data bases and other Polish and English sources, can interpret and integrate the said information and draw conclusions as well as voice and justify opinions, ▪ Student can carry out critical analysis of the manner of the design terrain and assess the existing functional solutions in space, ▪ Student can identify and can draw up specification of practical tasks in the scope of urban planning, 	
3	Social Competences	<ul style="list-style-type: none"> ▪ Student understands the need for lifelong learning, can inspire and organize process of learning other people, ▪ Student is aware of the importance of non-technical aspects and effects of engineering activities, in this impact upon the environment and liability for environment affecting decisions, ▪ Correctly identifies and resolves dilemmas of different spatial situations in urban planning scale. 	
Objective of the course:			
<ul style="list-style-type: none"> • Introduction to the art and obtaining the ability to design space by greenery, small architecture elements and appropriate lighting. ▪ Knowledge of find a balance between technical requirements, such as: vegetative conditions in region, soil type, climatic zone, noise, erosion control and aesthetic consideration containing color, texture, form and seasonal variation. ▪ Presentation of basic instruments and tools of greenery areas design, standards and norms. ▪ Obtaining the ability to creative look on space, preparation of Master Plan using innovative solutions of design of green areas with the use of plant material and small architecture elements as well as lighting with full accessibility for people with disabilities. 			
Learning outcomes			
Knowledge:			
W01	Student has basic knowledge on modern trends in the scope of town planning		AU1_W02

W02	Student has basic knowledge in the understanding of social, historical, natural, economic, organizational, legal and other determinants outside the engineering activity and has basic knowledge of quality management	AU1_W03
Skills:		
U01	can, thanks to understanding the relationships between the object the surroundings, identify the existing functional and spatial resources, can evaluate these resources and come up with respective conclusions on possible transformations in architecture and town planning	AU1_U21
U02	can use various technical and material means for the presentation of an architectural or urban idea	AU1_U27
Social competence:		
K01	is aware of the importance of non-technical aspects and effects of engineering activities, in this impact upon the environment and liability for environment affecting decisions	AU1_K05
K02	can respectively determine priorities for the execution of goals set by himself/herself or by others; is fully aware of the importance of professional conduct; is aware of the liability for tasks performed jointly with others within the team work	AU1_K06
The evaluation methods:		
<p>Conditions for course credition and method of project's assessment. An important criterion for evaluation of projects is an approach to the following issues:</p> <ul style="list-style-type: none"> ▪ Linking local conditions to the concept of greenery system in city in accordance with rule of spatial continuity and the idea of ecological fasteners, which takes into account prospective trends of urbanization, ▪ Alternative presentation of spatial concepts taking into account the major communication tracks, foot-path and analysis of foot traffic and functional allocation of territory, ▪ A harmonious connection of social activity with natural environment, ▪ Innovative method of spatial composition relating to the use of the form diversity of greenery using forms wealth (habits of trees and shrubs with foliage, no leaves), color, texture, combined with small architecture elements and lighting, ensure the safety, but also greenery is integral part of spatial composition in the night time. <p>Formative assessment: Grades obtained during partial reviews in electronic version of the group (2 reviews per semester). Positive grades from reviews are condition for passing the course.</p> <p>Summative assessment: The final grade – summative assessment includes:</p> <ul style="list-style-type: none"> ▪ Average of partial grades issued by the teacher (concerns quality of partial studies at the end of each project stage and the degree of student involvement), ▪ Effects assessment of final project at the last classes in semester, related with the defense of the group and the exhibition of works as well as students vote for three best projects (mini contest with prizes) and nominations for Wł. Czarnecki competition. The evaluation criteria are announced at the beginning of the semester. <p>Final grading scale: 3,0; 3,5; 4,0; 4,5; 5,0.</p> <p>Positive grade for module depends on achieved by student all learning outcomes specified in the syllabus.</p>		
Course contents		
<p>The Project of greenery area in the public space of Poznan city. Suggested location:</p> <ul style="list-style-type: none"> - square between Roosvelta/Dąbrowskiego/Słowackiego St. - area in front of "Wiktoria" Królowej Jadwigi St./Strzelecka St. - around the Edmund Szyc stadium and Bema marketplace with the assumption of them liquidation - Citadel - urban greenery associated with the inner ring - part of greenery area next to Malta (from Jana Pawła II St., Maltese queue stop) - old Warta riverbed - all other public green spaces of Poznan - all other areas, that students and teachers deem neglected and interesting and important in city <p>The area of developed land - not less than 5000 m². Projects can be perform in teams of two people (over 10000 m²)</p> <p><u>Scope of the projects provides:</u></p> <ul style="list-style-type: none"> ▪ On the basis of photographical documentation and sketches in the terrain will be performed analysis of land availability, inventory of greenery, record of the landscape interiors, valorization. 		

<ul style="list-style-type: none"> ▪ Preliminary conceptions of designed area with designation of functional zones of housing estate space (garden/park), define foot lines, traffic lines, foot and traffic lines and the division of greenery for small, medium and high greenery in projection and axonometry. Pavements. Lighting. Small architecture. ▪ Selection of greenery forms (high, small, columnar, spreading, grounding etc.). Plants selection in terms of growth rate, color, times of flowering, fruiting, the record of seasons selected area parts. Selection of plants depending on soil, habitat and climatic conditions. Summary of plants (Polish and Latin names). ▪ Perform a detailed Master Plan and visualization/axonometry/working model. ▪ Development of individual method of greenery recording to presentation of design idea, which is coherent in projections, sections and 3D pictures. ▪ The preparation of approximate cost estimate of designed greenery area ▪ Description of elements views of garden/park taking into account the seasons and lighting (solar-daily, artificial – night) at least one visualization in the night time and day of selected part of greenery area in addition to other daily visualizations and typing in landscape context – photo of existing status and visualization – designed status).

Basic bibliography:

1. Aas Greror, Riedmiller Andreas: *Drzewa. Encyklopedia kieszonkowa*, Muza S.A. 1995
2. Baumann Rudi: *Domy w zieleni*, Arkady 1991
3. Brooks J.: *Wielka Księga Ogródów. Sztuka zakładania i pielęgnacji*, Wiedza i Życie, Warszawa 1992
4. Brooks J.: *Projektowanie ogrodów*, Wyd.Wiedza i Życie, Warszawa 1996
5. Conran T., Person D *Nowoczesne ogrody*. Arkady. Warszawa 1998,
6. Orzeszek-Gajewska Barbara: *Kształtowanie terenów zieleni w miastach*, PWN, W-wa 1982r
7. *Popularne krzewy i byliny, od A do Z łatwych do uprawy roślin ogrodowych*, Kluszczyński, Kraków 1996
8. Wilson Andrew: *Ogrody, projekty, realizacje*, Arkady, Warszawa 2005

Supplementary bibliography:

1. Kimon Herta, Becker Jurgen, Nicking Marian: *Ogród źródłem radości*, Delta W-Z, Warszawa 1996
2. Longley: *Niedzielny ogrodnik*, Diogenes, Warszawa 2002, Świat Książki, Bertelsmann Media Sp. Z o.o.
3. McHoy, Segall B., Donaldson Stephanie: *Urządzamy mały ogród*, Wyd.Murator, Warszawa 2001
4. Pokroje drzew i krzewów , pomoc dydaktyczna ZAMPiR, pod red.Michalak H., Cyfert M, ZAMPiR, WAPP, 2011.

The student workload

Form of activity	Hours	ECTS
Overall expenditure	81	3
Classes requiring an individual contact with teacher	59	2
Practical classes	81	3

Balance the workload of the average student

Form of activity	Number of hours
participation in lectures	0 h
participation in classes/ laboratory classes (projects)	45 h
preparation for classes/ laboratory classes	14 x 1 h = 14 h
preparation to colloquium/final review	2 x 4 = 8 h
participation in consultation related to realization of learning process	14 x 1 h = 14 h
preparation to the exam	0 h
attendance at exam	0 h

Overall expenditure of student:

3 ECTS credits

90 h

As part of this specified student workload:

- activities that require direct participation of teachers

45 h + 14 h = 59 h