Załącznik 1

Program studiów

drugiego stopnia

dla kierunku **landscape architekcture - Chinese and Polish tradition in shaping of the landscape (Tradycje chińskie i polskie w kształtowaniu krajobrazu)**

1.1 Dane ogólne

Profil studiów: ogólnoakademicki

(ogólnoakademicki/~~praktyczny~~)

Forma/y studiów: stacjonarna/~~niestacjonarna~~

(stacjonarna/niestacjonarna)

Tytuł zawodowy: magister inżynier

Sylwetka absolwenta: Absolwent studiów drugiego stopnia otrzymuje tytuł zawodowy magistra inżyniera. Ma pogłębioną wiedzę i umiejętności pozwalające na efektywne projektowanie, programowanie i zarządzanie krajobrazem w kontekście różnych uwarunkowań społecznych, historycznych i kulturowych. Jest świadomy wpływu podjętych działań w obszarze architektury krajobrazu i w obszarach pokrewnych. Może rozwiązywać złożone zadania i problemy ze świadomością uwarunkowań wielokulturowych oraz odniesień do zróżnicowanych potrzeb i wymagań społecznych. Ma świadomość własnej i zbiorowej odpowiedzialności za podjęte decyzje. Wykazuje refleksję metodologiczną w odniesieniu do pracy architekta krajobrazu w obszarze praktycznym i naukowym. Może prowadzić własną firmę bądź pracować w jednostce projektowo-wykonawczej. Jest przygotowany do efektywnego projektowania, programowania i zarządzania krajobrazem, przyrodniczym i kulturowym, również z uwzględnieniem specyfiki odmiennych tradycji kulturowych i środowiskowych oraz społecznych i gospodarczych. Potrafi wykonywać opracowania badawcze w zakresie kształtowania krajobrazu (również w skali regionalnej) oraz rewitalizacji historycznych układów urbanistycznych i ruralistycznych, a także rozwiązań kompozycyjnych dotyczących zieleni. Może znaleźć zatrudnienie w jednostkach planistycznych opracowujących plany zagopodarowania oraz strategie rozwoju przestrzennego, w biurach związanych z restrukturyzacją obszarów zdegradowanych, w administracji samorządowej i rządowej, w szkołach wyższych i instytutach naukowych, a także w wydzielonych jednostkach ochrony środowiska. Sylwetka absolwenta uwzględnia uzgodnienia środowiskowe uczelni polskich kształcących w zakresie architektury krajobrazu oraz opinie interesariuszy i zalecenia stowarzyszeń zawodowych.

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Liczba semestrów: 4; **godzin (w tym realizowanych z wykorzystaniem metod i technik kształcenia na odległość)** 1380/8

Liczba punktów ECTS (łącznie): 120

Dopuszczalny deficyt punktów ECTS po poszczególnych semestrach (stacjonarne/niestacjonarne)

Semestr	1	2	3	4						
Deficyt punktów ECTS	15	15	15	0						

Sekwencje przedmiotów: przedmioty dwusemestralne, oznaczone jako I oraz II

Liczba punktów ECTS, którą student uzyska na zajęciach wymagających bezpośredniego udziału nauczycieli akademickich i studentów: 98

Liczba punktów ECTS, którą student uzyska w ramach zajęć z obszarów nauk humanistycznych lub nauk społecznych: 8

Liczba punktów ECTS, którą student uzyska za zajęcia wybieralne: 28

Liczba punktów ECTS przyporządkowana zajęciom związanym z prowadzoną w uczelni działalnością naukową w dyscyplinie lub dyscyplinach, do których przyporządkowany jest kierunek studiów: 66

Liczba godzin wychowania fizycznego: 0 **)

Wymiar (liczba godz. i punktów ECTS), zasady i forma odbywania praktyk: praktyka w wymiarze 450 godzin, 30 ECTS, podzielona na sekwencje: 1. odbywana w jednostkach projektowych, naukowo-dydaktycznych lub badawczych (interesariusze zewnętrzni) – 330 godzin/24 ECTS, 2. w jednostce naukowej przyjmującej studenta (90 godzin/4 ECTS), 3. kompleksowe zajęcia terenowe (30 godz./2 ECTS). Praktyka jest zaliczana po drugim semestrze. Część pierwsza praktyki odbywa się na podstawie umowy pomiędzy Uczelnią a zewnętrzną jednostką przyjmującą (interesariuszem zewnętrznym). Zakres określa umowa; muszą to być zadania powiązane z kierunkiem studiów. W ramach drugiej części, przebiegającej w jednostkach naukowych uczelni przyjmującej, student realizuje zadania uzgodnione z opiekunem pracy dyplomowej. Część trzecia to wyjścia lub wyjazdy terenowe, pozwalające na zdobycie wiedzy poprzez obserwację bierną i uczestniczącą oraz wykonanie zadań twórczych. Aby zaliczyć praktykę student musi wykazać się odpowiednią wiedzą i umiejętnościami oraz kompetencjami, co podlega sprawdzeniu przez wyznaczonego nauczyciela akademickiego.

Zasady/organizacja procesu dyplomowania

Zgodnie z regulaminem studiów, proces dyplomowania obejmuje dwa etapy:

1. Przygotowanie pracy dyplomowej magisterskiej
2. Egzamin dyplomowy

Etap 1.: Praca dyplomowa przygotowywana jest w języku angielskim. Student w semestrze pierwszym wybiera temat z listy wcześniej zgłoszonych przez nauczycieli akademickich, posiadających co najmniej stopień doktora, zweryfikowanej przez prodziekana, zatwierdzonej przez dziekana oraz ogłoszonej na stronie Wydziału. Studenci strony chińskiej deklarują tematy uzgodnione z macierzystym uniwersytetem. Każdy student ma dwóch opiekunów, jednego ze strony UPWr i jednego ze strony HAU. Student ma obowiązek podjąć współpracę z opiekunami pracy i do końca pierwszego semestru uściślić zakres pracy dyplomowej i przygotować ramowy plan pracy, który jest zatwierdzony przez opiekunów obydwu stron i podpisany przez studenta. Przygotowanie pracy odbywa się w ramach pracy własnej studenta oraz poprzez wsparcie merytoryczne udzielane w ramach seminariów i konsultacji z opiekunami pracy oraz w ramach praktyki dyplomowej. Praca pod względem redakcyjnym i edytorskim musi być przygotowana zgodnie ze wzorem podanym na stronach Wydziału, a merytorycznie odpowiadać wymaganiom przyjętym przez kierunkową radę programową i zamieszczonych na stronie Wydziału, w zakładce dotyczącej kierunku studiów architektura krajobrazu. Praca na etapie końcowym poddana jest pre-recenzjom wykonanym przez

opiekunów, w której winny znaleźć się wszystkie uwagi dotyczące pracy (wskazanie korekt). Gotowa praca musi być wprowadzona przez studenta do systemu USOS i zatwierdzona przez opiekuna z uczelni macierzystej, nie później niż na dwa tygodnie przed wyznaczonym terminem obrony, corocznie podawanym w rozkładzie roku akademickiego. Dopiero po zatwierdzeniu pracy może być ona wydrukowana i dostarczona do dziekanatu wraz z niezbędnymi załącznikami, koniecznymi do wydania dyplomu. Praca przechodzi proces oceny antyplagiatowej; w sytuacji gdy poziom zapożyczeń przekracza dopuszczalną wartość praca musi być wycofana i poprawiona. Gotowa praca jest recenzowana przez trzech recenzentów (recenzentem nie może być opiekun); jeśli pierwszym opiekunem był pracownik UPWr - dwóch recenzentów wyznacza HAU; w przeciwnym przypadku stosuje się zasadę analogicznie. Przynajmniej jeden z recenzentów musi posiadać stopień doktora habilitowanego lub tytuł profesora.

Etap 2.: Egzamin magisterski przeprowadzany jest w języku angielskim. Składa się z dwóch części:

a) część pierwsza obejmuje:
- krótką prezentację pracy w formie multimedialnej oraz graficznej - poster (czas trwania ok. 10 min);
- ustosunkowanie się do uwag zawartych w recenzjach,
- udzielenie odpowiedzi na pytania członków komisji egzaminacyjnej dotyczących prezentacji. W skład komisji nie wchodzi opiekun pracy.

b) część druga to udzielenie odpowiedzi na trzy pytania członków komisji wynikające z programu studiów. Student ma prawo do krótkiego przygotowania się do udzielenia odpowiedzi (czas ok. 5 min). Każde pytanie oceniane jest oddzielnie.

Warunkiem zaliczenia egzaminu jest uzyskanie pozytywnej oceny za udzielone odpowiedzi na minimum dwa pytania. W przypadku jednej oceny negatywnej egzamin jest zdany, o ile student uzyskał średnia arytmetyczną wynoszącą min. 3,0. Jeśli student nie zdał egzaminu ma prawo do zdawania poprawkowego egzaminu dyplomowego, w terminie wyznaczonym przez właściwego dla kierunku studiów prodziekana. Szczegóły formalne, w tym zasady i sposób wyliczenia ocen końcowych, tryb egzaminu poprawkowego oraz dokumenty, jakie należy złożyć w dziekanacie przed egzaminem określa regulamin studiów zatwierdzony przez Senat UPWr i zamieszczony na stronie Uczelni.

Zajęcia i grupy zajęć *)

Przedmioty obowiązkowe:

English - science and technology (e-learning)	IAK/CL-AM>English
History and theory of space shaping in Europe	IAK/CL-AM>HISTN
Cartography and spatial information systems	IAK/CL-AM>CARTOG
Shaping of landscape of the rural areas in Europe	IAK/CL-AM>SHAPIN
Practice 1: External institutions	IAK/CL-AM>PRACT1
Practice 2:WUELS/HAU Institutes:	IAK/CL-AM>PRACT2
Practice 3: Complex field workshop	IAK/CL-AM>PRACT3-COMPL
The constr. and protec. of Chinese hist. and	IAK/CL-AM>CULCITYLAND

cult. city landscape	
The constr., protect. and recover of rural landscape in China	IAK/CL-AM>TheCon
Chinese traditional landscape engineering and technology	IAK/CL-AM>Chines
Planting arrangement in the landscape (e-learning)	IAK/CL-AM>DRAW
Dendroflora in urban space (e-learning)	IAK/CL-AM>DENDRO
Green roof and living walls	IAK/CL-AM>GREEN
Diploma seminar I, semester 1 (Poland)	IAK/CL-AM>DIPLSEM1
Diploma seminar II, semester 3 (China)	IAK/CL-AM>DIPLSEM2
Diploma seminar III, semester 4 (Poland/China)	IAK/CL-AM>DIPLSEM3
Diploma thesis - semester 4	IAK/CL-AM>DIPLSEM4
Human/political optional course 1	
Human/political optional course 2	
Human/political optional course 3	
Optional courses 1	
Optional courses 2	
Optional courses 3	
Optional courses 4	
Optional courses 5	
Optional courses 6	

Przedmioty do wyboru:

(Poland) Human optional course: Ethics	IAK/CL-AM>HumanEth-Pl
(Poland) Human optional course: Introduction to Polish culture	IAK/CL-AM>ITPC
(China)Human/political optional course: Method of social science	IAK/CL-AM>HumanMETH-Ch
(China)Human/political optional course: Introduction of Natural Dialectics	IAK/CL-AM>HumanDial-Ch
(Poland) Social aspects of shaping urban landscape in Poland	IAK/CL-AM>OC1-SOC-PL
(Poland) Painting in the landscape architecture	IAK/CL-AM>OC1-PAINT
(Poland) History of European art on the example of Wroclaw and nearby	IAK/CL-AM>OC1-HIST
(China) Drawing technique	IAK/CL-AM>OC2-DRAWTECH
(China) Integrated design	IAK/CL-AM>OC2-INTDESIGN
(China) Chinese historical and cultural landscape design	IAK/CL-AM>OC3-CHCLD
(China) Social aspects of shaping urban landscape in China	IAK/CL-AM>OC3-SOC-Ch
(China) Chinese garden landscape	IAK/CL-AM>OC3-CHINGARDLANDS
(China) Urban green space system planning (China) (e-learning)	IAK/CL-AM>OC4-URBGREEN
(China) Garden building and ornaments design (China)	IAK/CL-AM>OC4-GARDBUILD

(Poland) Shaping of therapeutic environment (e-learning)	IAK/CL-AM>OC5-SHAP
(Poland) Landscape engineering	IAK/KK-SM>OC5-INŻK
(Poland) Preservation and development of cultural heritage	IAK/CL-AM>OC6-PRESER
(Poland) Historical fortification in landscape	IAK/CL-AM>OC6-HFORT

*) – należy wskazać wraz z kodem przedmiotu w USOS

1.3. Opis kierunkowych efektów uczenia się

Efekty uczenia się

Dyscyplina naukowa wiodąca do której odnoszą się efekty uczenia się*): Inżynieria środowiska, górnictwo i energetyka 55%
Dyscypliny dodatkowe: architektura i urbanistyka 45%
Opis efektów uczenia się uwzględnia: uniwersalne charakterystyki drugiego stopnia oraz pełny zakres efektów uczenia się prowadzących do uzyskania kompetencji inżynierskich, zawartych w charakterystykach drugiego stopnia**) dla kwalifikacji na poziomie 7 Polskiej Ramy Kwalifikacji.

SYMBOL EFEKTU	Po ukończeniu studiów II stopnia na kierunku architektura krajobrazu absolwent:
	WIEDZA **zna i rozumie**
AK_P7S_WG01	w pogłębionym stopniu zasady analizy planowania i projektowania terenów wiejskich oraz miejskich
AK_P7S_WG02	techniki i narzędzia stosowane w architekturze krajobrazu w ujęciu historycznym i kulturowym
AK_P7S_WG03	w pogłębionym stopniu zasady utrzymania urządzeń i obiektów oraz systemów technicznych i technologii charakterystycznych dla zaawansowanych rozwiązań utrzymania zieleni, w tym zielonych ścian, zielonych dachów, zielonej infrastruktury
AK_P7S_WG04	zasadnicze uwarunkowania i czynniki kształtujące postać obszarów wiejskich i zurbanizowanych, a także przesłanki ich ochrony i planowego kształtowania
AK_P7S_WK05	w pogłębionym stopniu rolę i znaczenie środowiska przyrodniczego; docenia istotę rozwoju zrównoważonego jako współczesnego dylematu działań w architekturze krajobrazu
AK_P7S_WG07	odniesienia historyczne i kulturowe w projektowaniu przestrzeni w kontekście Europy oraz Chin, a także przykłady rozwiązań projektowych
AK_P7S_WK08	podstawy ekonomiczne, prawne i administracyjne działalności w zakresie planowania, projektowania i ochrony krajobrazu
AK_P7S_WG09	zasadność i potrzebę tworzenia baz danych o środowisku, narzędzia bazodanowe oraz techniki graficzne (rysunku), narzędzia i programy graficzne do zastosowania w architekturze krajobrazu
AK_P7S_WK10	podstawowe pojęcia i zasady z zakresu prawa autorskiego i zasady oraz konsekwencje jego stosowania
AK_P7S_WK12	pojęcie hipotezy badawczej, założeń badawczych oraz ich znaczenie dla prowadzenia prawidłowych prac poznawczych
AK_P7S_WG13	zna język obcy na poziomie B2+

	UMIEJĘTNOŚCI absolwent potrafi
AK_P7S_UW01	integrować wiedzę, stosować podejście systemowe, oceniać przydatność i możliwość wykorzystania historycznych i współczesnych rozwiązań w zakresie dziedzin powiązanych z architekturą krajobrazu
AK_P7S_UW02	rozróżniać modele danych GIS i stosować podstawowe metody analiz danych wektorowych w realizacji konkretnego zadania związanego z przestrzenią
AK_P7S_UW03	przeprowadzać studia i analizy właściwe dla specyfiki zadania projektowego w szerokim kontekście uwarunkowań, w tym historycznych i kulturowych, stosując nowoczesne podejście metodyczne
AK_P7S_UW04	planować i projektować obiekty architektury krajobrazu, uwzględniając aspekty pozatechniczne, np. społeczne, kulturowe, przekaz historyczny i tradycję
AK_P7S_UW05	wykorzystać w procesie zarządzania, planowania i projektowania krajobrazu wiedzę na temat wybranych zagadnień dotyczących współczesnych problemów i trendów w architekturze krajobrazu, w tym metod, technik i narzędzi
AK_P7S_UW06	dokonać oceny i krytycznej analizy elementów antropogenicznych krajobrazu i zaproponować działania ulepszające, stosować kreatywne i wariantowe rozwiązania
AK_P7S_UK07	posługiwać się językiem obcym na poziomie B2+ Europejskiego Systemu Opisu Kształcenia Językowego oraz w wyższym stopniu w zakresie specjalistycznej terminologii, przygotować i przedstawić prezentację w języku rodzimym i obcym oraz wystąpienie ustne
AK_P7S_UO08	współdziałać, planować i organizować pracę w zespole
AK_P7S_UU09	aktualizować zdobytą wiedzę na kolejnych poziomach edukacji, studiach podyplomowych i kursach
	KOMPETENCJE SPOŁECZNE absolwent jest gotów do:
AK_P7S_KR01	podejmowania odpowiedzialności za stan środowiska przyrodniczego i kulturowego i konsekwencje jego kształtowania
AK_P7S_KK02	krytycznej oceny posiadanej wiedzy i odbieranych treści oraz ciągłego uzupełniania wiedzy i umiejętności
AK_P7S_KK03	podjęcia się zadań o wyższym stopniu skomplikowania przy współpracy z różnymi osobami i podmiotami społecznymi oraz do efektywnej i etycznej pracy w grupie przy wykonywaniu zadania projektowego
AK_P7S_KO04	współpracy z partnerami procesu twórczego, właściwej identyfikacji i hierarchizacji priorytetów oraz kryteriów decyzyjnych oraz planowania i organizowania tych działań
AK_P7S_KO05	powiązania roli społecznej architekta krajobrazu ze środowiskiem i otoczeniem społecznym
AK_P7S_KO06	działania i myślenia w sposób przedsiębiorczy, kreowania przestrzeni biznesowej
AK_P7S_KR07	partycypacji społecznej w procesie projektowania i do współpracy z odbiorcami projektu na każdym etapie jego tworzenia

Oznaczenia:
XY – nazwa kierunku,
P6-studia pierwszego stopnia lub jednolite studia magisterskie
P7- studia drugiego stopnia,
W – kategoria wiedzy,
U – kategoria umiejętności,
K – kategoria kompetencji społecznych.

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*) – w przypadku kierunków przyporządkowanych do więcej niż jednej dyscypliny należy podać procentowy udział poszczególnych dyscyplin i wskazać dyscyplinę wiodącą, w ramach której będzie uzyskiwana ponad połowa efektów uczenia się

**) – dotyczy kierunków studiów, po których ukończeniu absolwent uzyskuje tytuł zawodowy inżyniera lub magistra inż.

SYLLABUSES

Name of the subject	**Cartography and spatial information systems**
Semester	1th
ECTS points	4
Learning outcomes	
Knowledge The student knows the basic concepts of spatial data and their representation in vector and raster model, knows the basics of databases; s/he is able to list and briefly describe the commonly available digital spatial data resources, s/he is able to describe the basic tools for the analysis of spatial data, s/he is able to describe the basic cartographic presentation methods. Effects N^{O}: AK_P7S_WG09 Skills Student knows the basics of the selected GIS software; s/he can register raster map, s/he knows how to create a feature class, s/he can create and manipulate features on the map, he can join attribute data to features on the map, s/he performs an analysis on spatial vector and raster data. Effects N^{O}: AK_P7S_UW02 Social competences The student is aware of knowledge and skills development necessity. Effects N^{O}: AK_P7S_KK02	
Methods of evaluation	classes (70%) – practical skills test(s) with computer + lectures (30%) – written exam
Lecture topics Cartography and Spatial Information Systems - definitions, history, tasks. Spatial data sources. Databases, SQL. Analysis of the spatial vector data. Analysis of the spatial raster data Digital terrain models. Interpolation methods. Landscape in GIS analysis. Thematic maps design. Cartographic presentation methods. GIS in thematic cartography.	
Classes topics: Introduction to GIS software. Creating and editing vector features. Joining attribute data to features on the map. Analysis of the vector data. Raster registration. Analysis of raster data. GIS applications in landscape architecture. Map projections. Designing thematic maps in GIS.	

Name of the subject	**Dendroflora in urban space (e-learning)**
Semester	4th

ECTS points	2
Learning outcomes	
Knowledge knows the design principles for built-up areas and open grounds is able to identify at a basic level the causes of landscape degradation and present methods of landscape recultivation and reinstatement; has fundamental knowledge of the existing potential and legal aspects of natural and cultural landscape protection. Effects N^{O}: AK_P7S_WK05 Skills is able to obtain all the necessary information for a project task from diverse sources; is able to assess the value of natural and cultural landscape, select methods of the protection of landscape assets and propose actions therein; is able to exploit his/her detailed knowledge of selected issues concerning natural and cultural environmental management with the application of appropriate methods of study technique and analysis thereof as well as selection of proper project solutions. Effects N^{O}: AK_P7S_UW03, AK_P7S_UW06 Social competences understands the significance of the protection of landscape natural and cultural assets, Effects N^{O}: AK_P7S_KR01	
Methods of evaluation	Grade obtained from the tasks
Lecture topics 1. Woody plants morphology – part 1 2. Woody plants morphology – part 2 3. Dendrological inventory – methodology study 4. The rules of shaping the greenery along the roads - standards proposal 5. Landscape evaluation methods for spatial planning – part 1 6. Landscape evaluation methods for spatial planning – part 2 7. Greenery as an element of urban composition 8. Green systems as a part of urban structure – part 1 9. Green systems as a part of urban structure – part 2 10. Green systems as a part of urban structure – part 3	
Classes topics Woody plants morphology Principles of green (dendrology) inventory Assessment of the spatial structure of greenery Street greenery – assessment of selected street Selection rules for different types of urban greenery	

Name of the subject	**Diploma seminar 1**
Semester	1th
ECTS points	1
Learning outcomes	

Knowledge Has detailed knowledge of selected issues concerning contemporary trends and problems in landscape architecture – with regard to management, programming, planning and design of landscape. Has knowledge of research methods used in landscape architecture; Effects N^{O}: AK_P7S_WK05; AK_P7S_WK12 Skills Is able to obtain all the necessary information for the research and project tasks from diverse sources that are available in a foreign language. Effects N^{O}: AK_P7S_UW05; Social competences Is aware of the problematic complexity concerning landscape management and the significance of its inter-disciplinary interpretation Effects N^{O}: AK_P7S_KR01

Methods of evaluation	grade obtained at seminary 100%
Lecture topics - NONE	
Classes topics: 1. Project and study type master thesis, discussing the principles - examples. 2. Methodology of conducting scientific research. Work at the university. 3-4. Discussing the topics of master's theses - selection of topics 5-7. Literature review on selected topics - principles 8-15. Presentations of short scientific papers on a selected topic - discussions	

Name of the subject	**Diploma seminar 2**
Semester	3th
ECTS points	1
Learning outcomes	
Knowledge Has detailed knowledge of selected issues concerning the management of natural and cultural environment and methods and techniques of study and analyses. Effects N^{O}: AK_P7S_WK05; AK_P7S_WK12 Skills Applies methodological approach to solve research and project tasks and selects advanced techniques therein. Effects N^{O}: **A**K_P7S_UW03 Social competences Understands the need to constantly supplement their knowledge and skills in the field of new technologies and solutions used in landscape architecture. Effects N^{O}: AK_P7S_KK02	
Methods of evaluation	grade obtained at seminary 100%
Lecture topics - NONE	
Classes topics 1. Introduction to the subject of seminars.	

2.3 Overview of professional presentation: form of the presentation, graphic part, part of the text, way of presentation, the defense of presented materials, discussion. 4. An example of the presentation by the person in charge of the seminar. 5 - 10 Presentation 1. Students represent the topic of their choice. 11- 15 . Presentation 2. Students present the theme of the currently realized thesis.

Name of the subject	**Diploma seminar 3**
Semester	4th
ECTS points	2
Learning outcomes	
Knowledge Knows profoundly the role of a landscape architect in shaping a sustainable and resilient environment. Effects N^{O}: AK_P7S_WK05; AK_P7S_WK12 Skills Is able to creatively analyze collected data, draw appropriate conclusions and creatively apply them in solving research and design problems. Effects N^{O}: AK_P7S_UW01 Social competences Is able to undertake tasks of higher complexity level involving collaboration with representatives of other professions. Effects N^{O}: AK_P7S_KK03	
Methods of evaluation	grade obtained at seminary 100%
Lecture topics - NONE	
Classes topics: 1. Introduction to the subject of seminars. 3. An example of the presentation by the person in charge of the seminar. 4-9 Presentation 2. Students present the theme of the currently realized thesis. 10-15 Presentation 2. Trial presentation results of master thesis in the version not exceeding 10 minutes	

Name of the subject	**Diploma thesis**
Semester	4th
ECTS points	20
Learning outcomes	
Knowledge Student knows the basic concepts and principles of copyright, can relate them to the activities of the landscape architect/ Consultation with the supervisor, assessment of the prepared	

thesis/AK_P7S_WK10 Skills Student is prepared to train and update acquired knowledge/Consultation with the supervisor, assessment of the prepared thesis /AK_P7S_UU10 Social competences Student is aware of the dynamics of changes in the field of landscape architecture and related sciences, has a need to update the acquired knowledge / Consultation with the supervisor, assessment of the prepared thesis /AK_P7S_KK02; AK_P7S_KR07	
Methods of evaluation	Assessment of the diploma thesis
Lectures topics: - NONE	
Classes topics: - NONE	

Name of the subject	**Green Roof and Living Walls**
Semester	1th
ECTS points	3
Learning outcomes	
Knowledge Student is aware of the complexity of the issues of landscape architecture objects. Student understands the basic relationships between user needs and the features of the space. Student is aware of the impact of various situational on the process of shaping space. Effects N^{O}: AK_P7S_WG03 Skills Student is prepared to work in a team and to work with people that have an impact on the content, form and function of landscape. Student is able to determine the priorities in formulating questions and clarify the solutions to common design tasks. Effects N^{O}: AK_P7S_UO08 Social competences Student is able to work effectively in a group in carrying out the tasks of the project. Student is aware of the social role of landscape architect in an interprofessional team. Effects N^{O}: AK_P7S_KK03	
Methods of evaluation	grade obtained at classes (50%) + grade obtained at lectures (50%)
Lecture topics 1. Organizational issues and introducing the theme of the subject; key words 2. Alternative urban greenery – historical view 3. Classification of living walls 4. Living walls construction elements 5. Interior living walls 6. Exterior living walls 7. Classification of green roofs 8. Green roofs construction elements	

9. Extensive green roofs 10. Intensive green roofs 11. Green ceilings 12. Good practices overview from the World 13. Lecture in the terrain – green roofs in Wroclaw area 14. Lecture in the terrain – living walls in Wroclaw area 15. A summary of knowledge
Classes topics 1. Organizational matters: the principles of assessment and obtain complete the course, presentation of the schedule of classes; 2. Presentation of selected objects for interior design concept – problems and solutions proposals 3. Individual work on the design concept - Consulting 4. Individual work on the design concept - the final draft (consulting) 5. Putting the project 6. Handing out design themes (exterior team projects); principles for preparation of project documentation 7. Classes in terrain - field analysis teamwork 8. Presentation of field analysis teamwork 9. Teamwork - activities Consulting 10. Teamwork - activities Consulting 11. Teamwork - activities Consulting 12. Putting the Project 13. Excursion 14. Excursion 15. Exposure assessments; any improvement

Name of the subject	**History and theory of space shaping in Europe**
Semester	1th
ECTS points	5
Learning outcomes	
Knowledge After completion of the course, the students should demonstrate the effectiveness in group work. They are given a chance to sharing knowledge with colleagues from different cultures, having in mind their own responsibility both for sustainable landscape management and protection of the cultural identity. Students are aware of the multi-level perspective in landscape development processes, which are based on interdisciplinary scientific interpretation. Effects N^{O}:AK_P7S_WG01; AK_P7S_WG02, AK_P7S_WG07 Skills Students also have an opportunity to understand the importance of public participation in the design process as well as the need for continuous replenishment of new technologies and solutions used in landscape architecture and related fields. Effects N^{O}: AK_P7S_UW01, AK_P7S_UW03, AK_P7S_UW04 Social competences They are prepared to cooperation with the recipients of the project at every stage of its creation.	

Effects N^O: AK_P7S-KR01	
Methods of evaluation	Assessment methods: Written test, documented field studies, group project.
Lecture topics 1.The international documents, articles and doctations. 2. The main historical tendencies in the European landscape architecture. 3. The recent methods and analysis' techniques necessary for landscape design in the different scales. 4. The general objectives of planning the open and built-up space. 5. The basic regulations related to the landscape planning. 6. The landscape architecture in the context of sustainable development and the challenges of the twenty-first century. 7. The methods of the general landscape character assessment.	
Classes topics: 1. Analysis of international documents, articles and doctrines 2. The recent methods and analysis' techniques necessary for landscape design in the different scales - in case studies. 4. The basic regulations related to the landscape planning – debate, discussion 6. The landscape architecture in the context of sustainable development and the challenges of the twenty-first century - case studies. 7. The methods of the general landscape character assessment - case studies.	

Name of the subject	**Practice 1: external institutions**
Semester	2th
ECTS points	24
Learning outcomes	
Knowledge Student knows the study methods, techniques and analyses used for determining the guidelines for programming and design of space in a planning scale. Student knows the legal foundations determining the design principles in area development and planning. Effects N^O: AK_P7S_WG04, AK_P7S_WK08 Skills Student is able to obtain all the necessary information for a project task from diverse sources. Student knows the essential principles of the preparation of starting materials and compilation of planning work. Student is capable of creative analysis of collected data, appropriate conclusions and their application in the preparation of planning documents. Effects N^O: AK_P7S_UW05, AK_P7S_UO08 Social competences Student understands the significance of social participation in the process of landscape design and is prepared to cooperate with the recipients of the design project at every stage of its formation. Student has sense of responsibility in rational and effective management of landscape resources. Student is aware of the relation between the role of a landscape architect and the environment diverse entities and environmental groups. Effects N^O: AK_P7S_KR01, AK_P7S_KO05, AK_P7S_KO06	

Methods of evaluation	Participation in the professional practice must be confirmed by the opinion of the intern's performance from the hosting institutions, final presentation of work (weight = 50%,) + oral examination (weight = 50%) for grade with 60% of attendance.
Lecture topics - NONE	
Classes topics: The elements of street furnishing and structures (e.g. such us green bus stops, green benches, shade structures, etc.), landscape designing with plants and realization thereof. Student take part in design process in the Design Studio of the Institute of Landscape Architecture including; leading concepts development and technical projects (first of all development of land in terms of greenery), public spaces in urban interiors, and open spaces).	

Name of the subject	**Practice 2: Computer laboratory and Landscape Architecture Institute Design Studio practice**
Semester	2th
ECTS points	4
Learning outcomes	
Knowledge Student knows the study methods, techniques and analyses used for determining the guidelines for programming and design of space in a planning scale. Student knows the legal foundations determining the design principles in area development and planning. Effects N^{O}: AK_P7S_WG09 Skills Student is able to communicate with various entities in verbal, written and graphic forms. He has an in-depth ability to prepare oral presentations in English in the field of landscape architecture and related fields. Student is able to co-operate, plan and organize team work. Effects N^{O}: AK_P7S_UK07 Social competences Student is able to work on more complexed tasks in cooperation with other people and social entities, and for effective and ethic group work while performing project tasks. Effects N^{O}: AK_P7S_KK02	
Methods of evaluation	Grade obtained at classes - two final projects 50%, where assignment 1 weight = 50%, and assignment 2 weight = 50% with 60% of attendance.
Lecture topics - NONE	
Classes topics: Practical and theoretical classes. Introduction to the Autodesk 3D Studio Max 2019+ and the user interface. Software environment characteristic. User's settings, navigation and user's tools. Working with files and objects inside the 3D Studio Max. Real world measurements issues base on reference sources. Basics of modeling related to the landscape architecture details (shade structures, green bus-stops, green-/solar benches, railings, stairs, etc.). Basic modifications of the 3d objects. Terrain modeling techniques. Material edition and custom shaders settings. Creating of materials, textures and UVW mapping. Lightning types and	

sources. Preparing cameras in scenes to maximize final scenarios. Rendering settings for landscape exteriors in *Arnold* rendering module. Practical workshops. Presentation of final rendered works.

Name of the subject	**Practice 3: Complex field workshop**
Semester	2th
ECTS points	2
Learning outcomes	
Knowledge A student can recognize architectural details of a given historical style; can use small architecture in small towns and big cities; pays attention to the beauty of a city and its landscape. Effects N^{O}: AK_P7S_WG07 Skills Student can draw his vision of individual architectural details based on the monuments of Wrocław and the surrounding area; distinguish and assign pieces of sculpture and railings to appriprate styles; can locate architectural details for the sake of the needs of the disabled. Effects N^{O}: AK_P7S_UW05, AK_P7S_UO08 Social competences A student can work in a team to "discover" interesting details and small architecture. Effects N^{O}: AK_P7S_KK03, AK_P7S_KK04	
Methods of evaluation	grade obtained at classes (100%)
Lecture topics - NONE	
Classes topics: Two thematic routes were designated, which students go through together with the instructors. During the classes, students take measurements of designated development elements, a general inventory of greenery and photographic inventory of urban architecture and greenery. They analyze subsequent urban interiors and how they are developed. They draw conclusions as to the proper development of individual landscape architecture objects. Route 1: Streets and squares in a designated area of Wrocław; Route 2: Baroque gardens and squares of Wrocław. An alternative is the suggestion of a one-day trip to selected places related to landscape architecture - e.g. the Wrocław-Antonin-Gołuchów-Wrocław route. During this tour, students visit the park around the Radziwiłł hunting palace and the palace itself, the historic Działyński Park in Gołuchów, the Forestry Museum, the Gołuchów Castle and the zoo.	

Name of the subject	**Shaping of landscape of the rural areas in Europe**
Semester	1th
ECTS points	4

Learning outcomes	
Knowledge Students have detailed knowledge based on theory and related to selected topics from their field of study. Students know the rules of shaping the landscape of rural areas according to the cultural heritage. Students also know how to create architectural design of public space in rural areas. Effects N^{O}:AK_P7S_WG01; AK_P7S_WK04 Skills Students know how to determine the value of individual components of the rural landscape and assess their value to the environment. Students have the ability to use appropriate methods for urban, architectural and dendrological inventories and the ability to work out a development concept. Students are able to prepare and present an oral presentation on specific issues relating to the field of study that is being studied. Effects N^{O}: AK_P7S_UW03; AK_P7S_UW06 Social competences Students are aware of the value of the cultural landscape of the rural areas. Students are able to think and act in a creative and enterprising way. Effects N^{O}:AK_P7S_KR01; AK_P7S_KK03	
Methods of evaluation	grade obtained at classes (60%) + grade obtained at lectures (40%)
Lecture topics Lecture 1: The development of the rural landscape in the Europe and in Poland. Lecture 2: The development of agricultural settlements in the Polish lands. Lecture 3: The components of the rural landscape. Rural distinguishing marks Lecture 4: Spatial arrangements in the villages. Farm buildings. Lecture 5: Architecture of traditional Polish countryside. Lecture 6: Architecture of traditional Polish countryside continuation. Lecture 7: Greenery as a distinguishing mark of the rural landscape. Lecture 8: Water, as an element shaping the rural landscape. Lecture 9: Transformations of contemporary rural landscape. Lecture 10: The role of non-agricultural objects and structures in the development of traditional and contemporary rural landscape. Lecture l1: Transformations of the landscape of the suburban zone - suburbs. Lecture 12: Recreation in the rural areas. Lecture 13: Legal aspects related to the rural design. The principles of rural landscaping Lecture 14: The programs helping to maintain the traditional rural landscape (Rural renewal, Leader + program etc.) Lecture 15: Repertory	
Classes topics: Exercises consist of two main parts, inventory and analysis part aimed to familiarize with the area (the exercise is made by the groups of two-three people) and the part including the elements of design, rural design and architectural design. The catalogue of the village characteristic elements: The first part of the exercise begins with a trip to the village and rural field inventory. Photography, architectural design inventories, as well as dendrological inventories in selected locations. The collected information is then compiled into a graphic and descriptive forms according to the specified schedule. The graphic part includes overviews on the maps with analyses and drawings, charts, diagrams and photos showing the specific problem. The analysis of landscape panoramas and landscape interiors. Private and public greenery. Spatial arrangements of the buildings in the village, buildings, ornamentation, porches, fences. The study of strengths and weaknesses of the village and the	

plan of the development of the village. The catalogue of elements recommended to use when designing new projects and renovations in the village. 2. Presentation of the study

Name of the subject	**Chinese traditional landscape engineering and technology**
Semester	3th
ECTS points	4
Learning outcomes Knowledge Definition of landscape engineering and technical experience, construction drawing and building drawing, the procedure do the rockery engineering w minimum and big scale, the construction site about river's scenery, Effects NO: AK_P07_WK05, AK_P7S_WG09, Skills The engineering knowledge about gallery frame and waterfall wall. Effects NO: AK_P7S_UW04, AK_P7S_UW05 Social competences Explanation and communication skills. Effects NO: AK_P7S_KR01, AK_P7S_KO05	
Methods of evaluation	Literature research method, Classification analysis method (knowledge) Experiential Summary Method (skills) Investigation and evaluation method; Case study method (social comptences) grade obtained at classes (60%) + grade obtained at lectures (40%)
Lecture topics: 1. The Gallery Frame and waterfall wall analysis from construction drawing to completed . 2. The whole procedure about do the rockery engineering and the big rockery in Yi He Jia Yuan. 3. The construction site about Liuyang river's scenery.	
Classes topics 1. The landscape engineering and technology in Residence Community 2. The whole procedure about do the rockery engineering 3. The application of traditional engineering techniques in urban parks. 4. The construction site about Liuyang river's scenery. 5. The construction process and flowsheet about shingle road, wooden platform; the big tree transplanting and groundcover planting.	

Name of the subject	**The construction and protection of Chinese historical and cultural city landscape**
Semester	3th
ECTS points	5
Learning outcomes	

Knowledge Definition of historical and cultural landscape the types of Chinese historical and cultural landscape, Effects NO: AK_P7S_WG01, AK_P7S_WG04, AK_P7S_WG07 Skills Extraction of elements from historical and cultural landscape; Space modeling techniques and methods. Effects NO: AK_P7S_UW05 Social competences Explanation and communication skills. Effects NO: AK_P7S_KR01, AK_P7S_KO05
Methods of evaluation grade obtained at classes (30%) + grade obtained at studio and lectures (70%)
Lecture topics 1. Conservation and development strategy of the historic and cultural block in Chengdu, China 2. Great achievements of Old Summer Palace in China 3. The Value of Literati Landscape Garden Mood Esthetics in Modern Landscape Design
Classes topics 1. The types of Chinese historical and cultural landscape 2. Conservation and construction of historical and cultural blocks 3. Historical and cultural landscape of Changsha 4. Transformation and design of the scenic spot of Changsha historical and cultural blocks 5. The method and basic principles of protection and construction of Chinese historical and cultural landscape

Name of the subject	**The construction, protection and recover of rural landscape in China**
Semester	3th
ECTS points	5
Learning outcomes Knowledge Knows the principles of planning and designing the rural landscape in China, knowledge of styles and details, knowledge of the historical context. Effects NO: AK_P7S_WG01, AK_P7S_WG02 Skills Drawing a plan and project, Using design tools, Effects NO: AK_P7S_UW01, AK_P7S_UW03, Social competence The student is ready to understand social needs, The student is ready to understand historical premises, Effects NO: AK_P7S_KR01	
Methods of evaluation	Finishing a project about rural landscape planning
Lecture topics 1.China’s rural current situation of the social economy and natural ecology 2.China’s rural type and characteristic of humanity and natural resources 3.The theory and method of the pattern of production and industrial structure’s adjustment in China’s country 4.China’s rural area case of landscape planning and design	

Classes topics Know landscape type of China's village; master theory and method of rural landscape planning and design

Name of the subject	**Planting arrangement in the landscape**
Semester	3th
ECTS points	5
Learning outcomes Knowledge Student knows plant arrangement history of two landscape systems; Student knows and understands Fundamental principles of plant arrangement: ecological, aesthetic, societal; Student knows features and methods of plant arrangement of Chinese classical garden. Effects NO: AK_P7S_WG03, AK_P07_WK05, AK_P7S_WG07 Skills Student chooses plant material based on desired form, scale, texture, and color appropriate to the design problem; Student uses plant material appropriate to the environmental/site context, function and aesthetic requirements; Student creates a planting design based on the principles of composition, environmental factors, and program elements; Effects NO: AK_P7S_UW01, AK_P7S-UW03 Social competences Students can work both individual and in teams using the available network applications; Social responsibility—built an awareness of the complexity of aesthetic, societal, ecological, ethical, and economic issues related to sustainable landscape plant utilization; Social responsibility—built an awareness of the complexity of aesthetic, societal, ecological, ethical, and economic issues related to sustainable landscape plant utilization. Effects NO: AK_P7S_KK03, AK_P7S_KO05, AK_P7S_KO06	
Methods of evaluation	Grade obtained during individual work (60%) + grade obtained in teamwork (40%)
Lecture topics [M1] History of plant arrangement BLOCK 1. Brief introduction of two landscape system BLOCK 2. Historical development and major trends of formal gardens BLOCK 3. Historical development and major trends of naturalistic gardens [M2] Concepts and principles of plant arrangement BLOCK 1. The purpose of planting arrangement BLOCK 2. Ecological factors in planting arrangement BLOCK 3. Visual Composition in planting arrangement BLOCK 4. Space and human behavior in planting arrangement [M3] Plant landscape in Chinese classical garden BLOCK 1. The introduction of Chinese classical garden BLOCK 2. The Principles, concepts, and methods of planting design with Chinese classical garden	

BLOCK 3. The conclusion regarding planting design with Chinese classical gardens [M4] Process and practice of plant arrangement BLOCK 1. Inception BLOCK 2. Understanding: Gathering and Organizing Information BLOCK 3. Synthesis – Generating and Organizing Ideas BLOCK 4. Realization
Classes topics: During the course students work individual in the case study, they study and research by accessing information and summarizing the regularities. And students work in team in project design: from choosing site to the detailed planting design.

Optional Courses
Poland

Name of the subject	**Optional courses 1 - Social aspects of shaping urban landscape in Poland**
Semester	1th
ECTS points	3
Learning outcomes	
Knowledge Has essential theoretical knowledge of environmental psychology in respect of its relation to landscape architecture, Effects No: AK_P7S_WG02; AK_P7S_WK06 Skills Is able to apply the knowledge of psychological processes in spatial planning and design, Effects No: AK_P7S_UW01; AK_P7S_UW03; AK_P7S_UW04; AK_P7S_UW05 Social competence Is aware of the relation between the role of a landscape architect and the environment , diverse entities and environmental groups. Effects No: AK_P7S_KO05	
Methods of evaluation	grade obtained at classes (50%) + grade obtained at lectures (50%)
Lecture topics 1.Public space in contemporary cities. 2.Shaping public space in social aspects. 3.Physical space and social space. 4.Territorialism. Interactive space. 5. Social meaning of greenery in public city space. 6.„City game" as an idea of social participation in shaping urban space. Civic budget. 7.Screenplay strategy in shaping of urban space. 8.A role of non-governmental organizations in „game of space". 9. Communication in „game of space". 10.Social dimension of lighting and illumination. 11.Light in role of mediator in revitalization of urban space. 12.Holistic consider on contemporary illumination and lighting city space.	
Classes topics: Shaping public space in social aspects; greenery in public city space; „City game" - case study;	

creation of screenplay strategy of urban space (variable topics)

Name of the subject	**Optional courses 1 - History of European art on the example of Wroclaw and nearby**
Semester	1 th
ECTS points	3
Learning outcomes Can recognize art objects according to a given historical style. It draws attention to the beauty of the city, palaces, castles and landscape, Effects No: AK_P7S_WK08 Skills He can draw his vision of individual architectural details based on the monuments of Wroclaw and the surrounding area. Recognizes and assigns objects of art (architecture, painting, sculpture, design) styles of European art. Effects No: AK_P7S_UW03, AK_P7S_UW04 Social competences He can work in a group to "discover" new objects of European art. Effects No: AK_P7S_KO04, AK_P7S_KO05	
Methods of evaluation	Drawings, paintings, concepts,grade obtained at classes (60%) + grade obtained at lectures (40%)
Lecture topics: 1. Differences by historical styles in Europe and Asia 2. Medieval churches of Wrocław from the times of the Silesian Piast dynasty. (Oleśnica). 3. Features of the Renaissance style on the example of tenements and castles of Lower Silesia. 4. Fashion for pavilions and Chinese motifs by the 18th century palaces. (Palace in Wrocław and in Książ nea Wałbrzych) 5. Modernism and WUWA 6. Contemporary art of architecture and design in Europe 7. Repetition	
Classes topics: 1.Trip to the National Museum in Wrocław. 2. Drawing Gothic architectural detail on the example of Wroclaw churches. 3. Comparison of the Gothic and Renaissance styles at the Brzeg castle. 4. Finding references to Chinese art in objects from the 18th century. 5. Inspiration with Japanese woodcuts in European art of the late 19th century. 6. A trip to the modernist districts of Wrocław from the beginning of the 20th century. 7. Passing exercises.	

Name of the subject	**Optional courses 1 -** Painting in the landscape architecture
Semester	1 th
ECTS points	3

Learning outcomes
Knowledge
Knows how to choose colors in the image. Knows the principles of several drawing and painting techniques. Characterizes the way of drawing characters in proportion to architecture and vegetation. Knows the Renaissance single and two-pole perspective. Effects No: AK_P7S_WG02, AK_P7S_WG09
Skills
Student uses monochrome and color drawing for spatial analysis. He can observe and measure the proportions of objects (characters, plants, objects) and move them on the canvas. He uses known works and their artistic skills for his own creation. Properly preparing to create aesthetic innovative projects. Can compose a garden in a drawing using a classical perspective or cubist practice. Effects No: AK_P7S_UW01, AK_P7S_UW03
Social competences
uses known works and their artistic skills for his own creation. Properly preparing to create aesthetic innovative projects. Interprets existing phenomena in the environment for his own creative attitude (landscape, characters, advertising, architecture, interrelationships and others). Effects No: AK_P7S_KK02, AK_P7S_KK05

Methods of evaluation	Drawings, paintings, concepts,grade obtained at classes (60%) + grade obtained at lectures (40%)

Lecture topics:
1. Principles of linear and aerial perspective (Leonardo de Vinci, S. Boticelli).
2.Characteristic features of French and Italian gardens in 18th century painting
3.Visit to the National Museum in Wrocław
4. Impressionist approach to light and color in open landscape and still life paintings.
5.Proportions of sitting and standing figures against the background of small architecture and trees.
6.Subjective color, different from naturalistic (E. Nolde, V. van Gogh, P. Gauguin)
7.Visit to the National Museum in Wrocław. Cubist approach to nature and spatial objects.
8.Features of modern murals.
9.Influence of advertising and comic book manners on the appearance of city architecture (Andy Warhol's po
New York)
10.Expressionist approach to the landscape on the example of paintings by E. L. Kirchner, E. Munch, J. Enso
11.Secession referring to Japanese art in the presentation of plants and water.
12.Final test.

Classes topics:
1-2.Inside the park there is a monument to a symbolic figure in the 8th century style. Colorful drawing.
3.Painting with liquid acrylic in the style of Jackson Pollack's action painting.
4.A surreal painting composition created with watercolors or tempera.
5.Designing an illusive mural on a selected facade.
6.Pencil drawing of a 1930s style building surrounded by a garden in a two-pole perspective.
7.Pencil drawing of the interior in a single run perspective.
8.The use of subjective color, different from naturalistic in terms of painting still life

9.Ways of presenting a group of trees and plants in various techniques. Outdoor activities in the park. 10.Practical use of sitting proportions in the drawing and standing against the backdrop of architecture and trees. 11. Still life in any colorful technique. 12.Expressionist approach to plants and water in the Botanical Garden (in tempera or acrylic) 13.Completing the expressionist approach to plants and water in the Botanical Garden (in tempera or acrylic painting). 14.Art Nouveau painting referring to Japanese art in the Wroclaw Japanese Garden (ink drawing and watercolor painting) 15.Summary and passing exercises

Name of the subject	**Optional courses 5 - Landscape engineering**
Semester	1st
ECTS points	3
Learning outcomes	
Knowledge Identifies the causes of the degradation of the landscape, in particular the elements and forms of degradation of water, soil and land and vegetation. It indicates technical, biological and organizational appropriations and methods of treatment, reclamation, renaturalization and development of the environment and landscape. He knows the basic methods of technical and biological construction of watercourses and reservoirs as well as geotechnical and biological methods of preventing the development of undesirable geodynamic processes. Effects N^{O}: AK_P7S_WG03, AK_P7S_WG04, AK_P7S_WK05 Skills Evaluate the potential effects of the degradation of the landscape, in particular the elements and forms of degradation of water, soil and land and vegetation, and also indicates the methods and ways of counteracting these processes. Knows how to use of norms, standards of engineering, specialized literature to develop, reclamation and re environment and landscape. Use, calculated and designs technical and biological measures to renaturalization surface water, the reclamation of degraded areas and the management of rainwater. Effects N^{O}: AK_P7S_UW01, AK_P7S_UW03, AK_P7S_UW04, AK_P7S_UW06, AK_P7S_UO08, AK_P7S_UU09 Social competences Demonstrates understanding of the importance of engineering the landscape for the development of society, is aware of the responsibility for rational and efficient management of resources landscape, understands the importance of technical measures aimed at shaping the landscape for society. Able to think and act in a creative and enterprising, interact and work in a group (assuming different roles), defining priorities for completing the task of engineering the landscape. Understands the need for continuous replenishment of their knowledge and skills in the field of new technologies and solutions used in landscape engineering . Effects N^{O}: AK_P7S_KR01, AK_P7S_KK02, AK_P7S_KK03, AK_P7S_KO05, AK_P7S_KO06	
Methods of evaluation	Total score as an average of passed individual tasks carried out during classes, i.e. project exercises, trip reports, exam (or partial

	credits).
Lecture topics Lecture 1.-2. The specificity of interdisciplinary activities combining technical and biological measures to protect the proper functioning of the landscape. Lecture 3.-4. The degradation of water, soil, land and vegetation. Lecture 5.-6. Reclamation of degraded areas. Lecture 7. - 8. Examples of innovative post-mining reclamation. Discussion of the idea, implementation, financing principles. Lecture 9.-10. Technical and biological measures renaturisation of surface waters. Technical and biological construction of watercourses and water reservoirs. Lecture 11.-12. Technical and biological processes for controlling the migration of wild animals. Lecture 13. Management of rainwater in urban areas.. Lecture 14. Sustainable water management in the non-urban landscape. Lecture 15. Legal and administrative tools in landscape engineering.	
The course includes content from the scope of interdisciplinary activities linking technology and biological solutions of landscape managements. It presents the degradation of water, soil, land and vegetation. Presents measures to renaturalisation of surface waters and reclamation of degraded lands. It presents the technical and biological construction of waterways and reservoirs. Providing technical solutions and biological processes for controlling the migration of wild animals. Presents the management and use of rainwater in urban areas. Presents legal and administrative tools in landscape engineering. Part of the course takes place in the form of a field trip.	
Classes topics: Exercise 1-7: Project of technical reclamation and land development on the area of post exploitation of natural resources. Exercise 8-14. Project of management of rainwater. Exercise 15: Passing the course	

Name of the subject	**Optional courses 5 - Shaping of therapeutic environment**
Semester	1th
ECTS points	3
Learning outcomes	
Knowledge to a greater extent the role and importance of the natural environment; appreciates the essence of sustainable development as a modern dilemma of activities in landscape architecture; historical and cultural references in space design in the context of Europe and China, as well as examples of design solutions. Effects NoAK_P7S_WK05, AK_P7S_WG07 Skills use in the process of landscape management, planning and design knowledge of selected issues related to contemporary problems and trends in landscape architecture, including methods, techniques and tools; evaluate and critically analyze landscape anthropogenic elements and propose improvement actions, apply creative and variant solutions. Effects NO AK_P7S_UW05,	

AK_P7S_UW06
Social competences
connect the social role of landscape architect with the environment and social environment
social participation in the design process and to cooperation with the project recipients at every stage of its creation. Effects No AK_P7S_KO05, AK_P7S_KR07

Methods of evaluation	Grade obtained at classes (50%) + grade obtained at lectures (50%)

Lecture topics

1. Theory of therapeutic environment
2. Theory of therapeutic environment
3. Designing for special groups of users
4. Mental disabled, physical disabled, older people, children….surrounding of facilities and hospitals, public space..
5. Typology of outdoor spaces
6. Design guidelines for outdoor spaces in care facilities
7. Design guidelines for outdoor spaces in care facilities
8. Design guidelines for healing gardens for children
9. Best plants for gardens and their users with special needs
10. Making place more useful.. How to encourage people to go outside?
11. Elements of universal design
12. Elements of universal design
13. Terrain workshop – universal design in the city of Wrocław
14. Exam
15. Evaluation

Classes topics:

1. Presentation of subject: Occupation therapy workshop and area of community and visit to designing erea (meeting with client) (two classes)
2. Preparation of analysis – needs of users, information of history of the place (two classes)
3. Presentation of analysis and similar solutions.
4. Concept of the surrounding
5. Concept of the surrounding
6. Concept of the surrounding
7. Details of small architecture
8. Plants dedicated to places
9. Sections of the concept
10. Visualization of chosen areas
11. Description of the Concept
12. Presentation of the Concept to the clients
13. Assessment of semester work

Name of the subject	**Optional courses 6 - Preservation and development of cultural heritage**
Semester	1th
ECTS points	3

Learning outcomes	
Knowledge Student has extended knowledge of specific complex issues related to cultural landscape protection. Student is able to assess the value of natural and cultural landscape, select methods of the protection of landscape assets and propose actions therein in the processes of landscape management, programming, planning and design. Effects N^{O}: AK_P7S_WG04, AK_P7S_WG07 Skills Student is able to exploit the knowledge of the specific detailed problems concerning the contemporary trends and issues in landscape architecture. Effects N^{O}: AK_P7S_UW03 Social competences Student has sense of responsibility in rational and effective management of landscape resources. Effects N^{O}: AK_P7S_KR01	
Methods of evaluation	The course in English will be available if a minimum of 6 students sign up for a group. If less than 6 students sign up for the group, the course will be available in Polish with the possibility of individual support in English.
Lecture topics	
Lecture 1. Introductory lecture. Basic characteristic of historical fortifications according to the European policy. Lecture 2. Historical elements of defense systems. Basic chronology and definitions. Lecture 3. An introduction to the history of the Wroclaw Fortress (the case study). Lecture 4. History of Wroclaw fortifications - outside classroom. Lecture 5. History of Wroclaw fortifications - outside classroom. Lecture 6. Historical earthworks - their role in landscape architecture projects in relation to climate change Lecture 7. Camouflage and its use in modern landscape architecture. Eco-friendly solutions. Lecture 8. Fortress greenery re-use in modern landscape architecture in relation to climate change Lecture 9. Inundated landscape is fortification and its use in modern landscape architecture. Lecture 10. The terms of conservation and restoration of monuments. Lecture 11. The Heritage Development Model application and development. The case study of the New Dutch Water Line (UNESCO) Lecture 12. Examples of fortifications historic objects from Europe - the modern features of them. Lecture 13.Examples of fortifications historic objects from Europe - the modern features of them. Lecture 14. Lectures review. Lecture 15. Summary Assessment of students' work.	
Classes topics:	
Class 1. Introduction to course, presenting of the rules of assessment. Historical site characteristics. Class 2. Outdoor classes – Visiting the historical fortification. Collecting pictures, inventory and measuring the site. Class 3. Outdoor classes – Visiting the historical fortification. Collecting pictures, inventory and measuring the site. Class 4. Design studio – Analysis of collected documents (legislation). Class 5. Design studio – Functional-utility programme for the historical site. Class 6. Design studio – Validation of the functional-utility programme for the historical site. Class 7. Design studio – Validation of the functional-utility programme for the historical site. Class 8. Mid-semester presentations of the design idea for the site. Class 9. Design studio – Detailed design for the historical site.	

Class 10. Design studio – Detailed design for the historical site. Class 11. Design studio – Street furniture (design objects and pieces of equipment installed on the site). Class 12. Design studio – Street furniture design (design objects and pieces of equipment installed on the site). Class 13. Final presentations. Class 14. Final presentations. Class 15. Summary Assessment of students' work

Name of the subject	**Optional courses 6 - Historical fortification in landscape**
Semester	1th
ECTS points	3
Learning outcomes	
Knowledge Student has extended knowledge of specific complex issues related to cultural landscape protection; Effects N^{O}: AK_P7S_WG07 Skills Student is able to assess the value of natural and cultural landscape, select methods of the protection of landscape assets and propose actions therein in the processes of landscape management, programming, planning and design. Student is able to exploit the knowledge of the specific detailed problems concerning the contemporary trends and issues in landscape architecture. Effects N^{O}: AK_P7S_UW01, AK_P7S_UW06 Social competences Student has sense of responsibility in rational and effective management of landscape resources. Effects N^{O}: AK_P7S_KR01, AK_P7S_KO05	
Methods of evaluation	grade obtained at classes 50%, grade obtained at lectures 50%.
Lecture topics Lecture 1. Introductory lecture. Basic characteristic of historical fortifications according to the European policy. Lecture 2. Historical elements of defense systems. Basic chronology and definitions. Lecture 3.Historical elements of defense systems. Basic chronology and definitions. Lecture 4. An introduction to the history of the Fortress Wroclaw. Lecture 5. History of Wroclaw fortifications - outside classroom. Lecture 6. History of Wroclaw fortifications - outside classroom. Lecture 7. Military camouflage and its use in modern landscape architecture. Lecture 8. Fortress greenery and its use in modern landscape architecture. Lecture 9. Inundated landscape is fortification and its use in modern landscape architecture. Lecture 10.The terms of conservation and restoration of monuments. Lecture 11. The terms of conservation and restoration of monuments. Lecture 12. Examples of fortifications historic objects from Europe - the modern features of them. Lecture 13. Examples of fortifications historic objects from Europe - the modern features of them. Lecture 14. Lectures review. Lecture 15. Summary Assessment of students' work.	

Classes topics: Class 1. Introduction to course, presenting of the rules of assessment. Historical site characteristics. Class 2. Outdoor classes – Visiting the historical fortification. Collecting pictures, inventory and measuring the site. Class 3. Outdoor classes – Visiting the historical fortification. Collecting pictures, inventory and measuring the site. Class 4. Design studio – Analysis of collected documents (legislation). Class 5. Design studio – Functional-utility programme for the historical site. Class 6. Design studio – Validation of the functional-utility programme for the historical site. Class 7. Design studio – Validation of the functional-utility programme for the historical site. Class 8. Mid-semester presentations of the design idea for the site. Class 9. Design studio – Detailed design for the historical site. Class 10. Design studio – Detailed design for the historical site. Class 11. Design studio – Street furniture (design objects and pieces of equipment installed on the site). Class 12. Design studio – Street furniture design (design objects and pieces of equipment installed on the site). Class 13. Final presentations. Class 14. Final presentations. Class 15. Summary Assessment of students' work.

Optional courses – China

Name of the subject	**Optional courses 2 - Drawing techniques**
Semester	3th
ECTS points	3
Learning outcomes Knowledge Systematic study of performance techniques of landscape renderings . Technology-based in painting, art reproduction programs focused. Effects N^{O}: AK_P7S_WG02 Skills The course will help improve students' aesthetic ability, performance ability and professional freehand design level. Through performance painting techniques students can learn to master the basic landscape renderings performance techniques, performance a variety of garden landscape elements constitutive form, make proportions and colors vividly, perspective renderings and simple aerial renderings. Effects NO: AK_P7S_UW03, AK_P7S_UW05 Social competences Student is ready to constantly improve skills and cooperate with the recipients of the effects of his activities. Effects N^{O}: AK_P7S_KR07	
Methods of evaluation	two final projects 50% + 50%
Lecture topics (BLOCS) 1 Landscape scene constitutive elements of space and performance techniques	

2. Constitutive elements of garden landscape painting, landscape painting. 3. Perspective renderings performance techniques 4. Landscape perspective renderings performance. 5. Aerial map the performance techniques Landscape aerial map the performance.
Classes topics (BLOKCS) 1. Pens fast performance techniques; 2. Perspective, painting brush and use of color. 3. performance perspective renderings and performance the aerial map

Name of the subject	**Optional courses 2 – Integrated design**
Semester	3th
ECTS points	3
Learning outcomes Knowledge traditional garden gardening techniques; Chinese traditional gardens space, complete the small traditional Chinese garden design. Effects N^{O}: AK_P7S_WG04, AK_P7S_WG07 Skills knows how to translate knowledge about tradition and culture into a design solution, Effects NO: AK_P7S_UW01, AK_P7S_UW03 Social competences Student is ready to constantly improve skills and cooperate with the recipients of the effects of his activities, understanding cultural and historical differences. Effects N^{O}: AK_P7S_KR07	
Methods of evaluation	two final projects 50% + 50%
Lecture topics (BLOCS) Part 1: Analysis of the China garden landscape 1.Inner and outer of space 2.Spatial contrast 3.Space guidance and suggestion 4.The relationship between space and virtual reality 5.Space penetration and hierarchy 6.Classical plant configuration Part 2: The comparison and appreciation of classical gardens 1.Lingering Garden 2.Humble Administrator's Garden 3.The garden 4.Summer Palace 5.Chengde Mountain Resort Part 3: The design and practice of China garden design	
Classes topics (BLOKCS) Integrated design – case studies (different studies and situations)	

Name of the subject	**Optional courses 3 - Chinese historical and cultural landscape design**
Semester	3th
ECTS points	5
Learning outcomes Knowledge Historical and cultural landscape; the types of Chinese historical and cultural landscape, Effects No: AK_P7S_WG02, AK_P7S_WG07 Skills Extraction of elements from historical and cultural landscape; Space modeling techniques and methods, ability to interpret traditional assumptions for modern needs, Effects No: AK_P7S_UW03, AK_P7S_UW01 Social competence Explanation and communication skills with business partners, ability to interpret traditional assumptions for modern needs, Effects No: AK_P7S_KO05	
Methods of evaluation	grade obtained at classes (30%) + grade obtained at studio and lectures (70%)
Lecture topics: 1. Conservation and development strategy of the historic and cultural block in Chengdu, China 2. Great achievements of Old Summer Palace in China 3. The Value of Literati Landscape Garden Mood Esthetics in Modern Landscape Design	
Classes topics: 1. The types of Chinese historical and cultural landscape 2. Conservation and construction of historical and cultural blocks 3. Historical and cultural landscape of Changsha 4. Transformation and design of the scenic spot of Changsha historical and cultural blocks 5. The method and basic principles of protection and construction of Chinese historical and cultural landscape	

Name of the subject	**Optional courses 3 - Social aspects of shaping urban landscape in China**
Semester	3th
ECTS points	5
Learning outcomes	
Knowledge In terms of knowledge be able to define and understand the relationship between the way of space development and the needs of man and his behavior; has basic theoretical knowledge in the field of sociology related to landscape architecture; knows the basic methods and techniques of research in social sciences. Effects No:	

AK_P7S_WG02; AK_P7S_WK06
Skills
analyzes space in terms of people's needs in various aspects; formulates design problems on the basis of analyzes and diagnosis of problems in the field of sociology; can apply knowledge of social phenomena in space programming and design, Effects No: AK_P7S_UW01; AK_P7S_UW03; AK_P7S_UW04; AK_P7S_UW05
Social competence
is aware of the role of the user in the design, implementation and use of space; understands the importance of social participation in the design process and is ready to cooperate with project recipients at every stage of its creation, Effects No: AK_P7S_KO05

Methods of evaluation	grade obtained at classes (50%) + grade obtained at lectures (50%)

Lecture topics
Main topics

1.Preliminary issues (goal and subject of research, discipline history, basic theories and definitions).
2. Space as a place of people's behavior
3.Space as a territory
4. Space as a place of social interaction
5. Space as an image
6. Cognitive and evaluative maps
7. Crime prevention through environmental design
8. Supplementary issues
10. Repetition.

Classes topics:
Main topics
1.Usable aspect of the selected space - problem diagnosis, concept of solution
2.Territorial aspect of the selected space - problem diagnosis, concept of solution
3.The interactive aspect of the selected space - problem diagnosis, solution concept
4.Visual aspect of the selected space - problem diagnosis, solution concept
5: Exercise to develop skills related to programming and designing social research (variable topics)

Name of the subject	**Optional course 3 - Chinese garden landscape**
Semester	3th
ECTS points	5

Learning outcomes
Knowledge
Students know the developing process of Chinese gardens and its landscape constitution and the basic types. They grasp the characteristic and constructing landscape methods of all kinds of Chinese gardens. Students understand the natural and cultural background of forming the Chinese garden landscape. Effects No: AK_P7S_WG01, AK_P7S_WK05
Skills:
Students recognize the basic types of all kinds of Chinese courtyard. They understand the factors and construction method of all kinds of garden courtyard. AK_P7S_UW01, AK_P7S_UW05

Social competences: Students take design action acoording to the fuction requirement of actual area and the Chinese culture background. Effects No: AK_P7S_KK03

Methods of evaluation	grade obtained at classes (60%) + grade obtained at lectures (40%)

Lectures topics

Lecture 1. The origin and developing process of Chinese courtyard landscape. The origin and developing process of courtyard.

Lecture 2-3. The construction factors of Chinese courtyard landscape. Natural factors such as plants, stones, water and topography. Artificial factors such as architecture, paving and scripts and paintings.

Lecture 4. Types of Chinese courtyard landscape. Classified by function , enclosing method and time relationship.

Lecture 5-6. Traditional residential courtyard divided into royal courtyard and private courtyard.

Lecture 7. Traditional monumental courtyard such as Buddhist courtyard Taoist courtyard and confucious temple courtyard.

Lecture 8. Traditional official and educational courtyard. Government office courtyard, academy courtyard.

Lecture 9. Modern private courtyard, including modern countryside courtyard, residential area courtyard (villa courtyard)

Lecture 10. Modern public courtyard

Lecture 11-12. Landscape construction culture of Chinese courtyard

Lecture 13-14. Landscape construction method of Chinese courtyard

Repetitory.

Classes topics

1. Field exercise: Analyze and comment Yuelu Academy courtyard landscape.
2. Design exercise: *Rebuild the Yuelu Academy courtyard landscape.*
3. Project presentation. Course completion and credit.

Name of the subject	**Optional courses 4 - Urban green space system planning**
Semester	1 th
ECTS points	5
Learning outcomes	
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Methods of evaluation	grade obtained at classes (60%) + grade obtained at lectures (40%)

Lecture topics:

Knowledge

Student has knowledge of selected specific issues related to contemporary problems and trends in

landscape architecture - management, programming, planning, landscape design. Effects No: AK_P7S_WG01, AK_P7S_WK05 Skills Is able to use knowledge of selected specific issues on the formation of the natural and cultural environment, using the appropriate methods of study techniques and analysis in this area, and choosing the right design solutions Is able to use in the process of management, programming, planning and design of landscape and its forms knowledge of selected specific issues related to contemporary problems and trends in landscape architecture. Effects No: AK_P7S_UW01, AK_P7S_UW05 Social competences Is aware of the complexity of issues related to landscaping and the need for its interdisciplinary interpretation; Is aware of the connection between the social role of a landscape architect and the environment with diverse entities and environmental groups. Effects No: AK_P7S_KK03
Lecture topics Introduction to lecture topics 2. The concept of green urban planning, the definition of sustainable development, the principles of sustainable shaping of urban areas 3. The concept of the greenery system and importance in shaping the city's structure. Review of solutions. 4. Green systems of European cities 5. Greenery systems of European cities 6. Green revitalization 7. Green and blue infrastructure 8. Green and blue infrastructure 9. Sustainable housing estates 10. Sustainable transport 11. Green streets, woonerf, pedestrian zones 12. Urban gardening 13. Green capitals of Europe 14. Green capitals of Europe 15. Repetition
Classes topics: Part 1 Analysis 1. Introduction to the topic of exercises, distribution of topics 2. Field classes: inventories, photographic documentation 3 - 4. Studies and analyzes Part 2 Design concept 5, 6. Design assumptions. Inspirations 7, 8, 9, 10, 11, 12. Development of the design concept 13 and 14. Presentations on the group forum 10. Submission of the study

Name of the subject	**Optional courses 4 - Garden building and ornaments design**
Semester	3th

ECTS points	5

Learning outcomes
Knowledge
The student knows the basics of constructing elements of street furniture; knows how to combine elements from different materials. Knows the basics of designing in the field of spatial composition, physiographic analysis and landscaping elements of land in relation to a small landscape interior in public space. He knows the technical conditions that should correspond to the design of public spaces. Effects No: AK_P7S_WG03, AK_P7S_WK05
Skills
He can draw and dimension elements of small architecture; knows how to design a small element; can prepare and present information on a selected element of small architecture. Is able to design a small public interior. Is able to solve the detail, choose equipment for the designed public space in terms of scale, ergonomics, links with other equipment and terrain structure. Effects No: AK_P7S_UW01, AK_P7S_UW05
Social competences
Is active in the process of developing his knowledge and skills; can develop the skills of further learning based on acquired knowledge in the field of design. Is able to present and defend design ideas. Makes self-assessment. Takes discussions on topics related to landscaping. Effects No: AK_P7S_KO05, AK_P7S_KR07

Methods of evaluation	grade obtained at classes (60%) + grade obtained at lectures (40%)

Lecture topics:
1. Introduction to the subject of the subject
2. Stages of the design process - studies and analyzes (spatial links between green areas, neighborhood, accessibility, greenery assessment, infrastructure assessment, communication system assessment, current land development assessment). Examples and graphic presentation methods part 1
3. Stages of the design process - studies and analyzes (spatial links between green areas, neighborhood, accessibility, greenery assessment, infrastructure assessment, communication system assessment, current land development assessment). Examples and graphic presentation methods part 2
4. Stages of the design process - functional and spatial scheme, design idea. Examples and graphical presentation methods
5. Green areas - selected design trends in contemporary landscape architecture
6. City parks. Idea evolution and solution review (park as part of the greenery system)
7. Vegetation of street areas (sensitivity of plants to diverse urban pollution, principles of composition of street greenery, identity of the place)
8. Rules for designing park greenery
9. Naturalistic gardens and themed gardens
10. Plant formation
11. Riverside areas and revitalization of former port areas - examples
12. Equipment for green areas (including parks, sports grounds, playgrounds, skate parks, theme gardens)
13. Elements of landscape park architecture, surfaces, parking lots.
14. Functional and spatial barriers versus disabled people and people with reduced efficiency in public space
15. Repetition

Classes topics:

Introduction to the subject, discussion of the curriculum, presentation of sample projects - landscape interior in public space. Individual field work - field searches and observations. Choice of several interiors in public spaces Presentation of places (PowerPoint), justification of choice, discussion Analysis of the selected interior: inventory, determination of historical, functional, aesthetic and natural conditions (enclosure). Narrative scenario for the selected place Presentation of the narrative and action scenario for a selected place (PowerPoint), discussion. Selection, definition and definition of the means of expression used to build and change the selected space Work on the conceptual design. Views, cross sections Presentation of conceptual designs (PowerPoint), discussion Work on the conceptual design. Solution of the selected detail Work on the conceptual design. Visualizations Presentation of works. Pass a subject.

Course Title	**Specialist language - English**
Semester of study	1th
ECTS / including contact hours	4 ECTS/semester (4 ECTS/full course)
Short description of the course (max. 500 characters)	Up-to-date issues connected with students' studies and future work and selected grammar and lexical topics.
Learning outcomes	
Knowledge General and professional vocabulary, idiomatic expressions - language fluency required on B2+Level (CEFR – Common European Framework of Reference, 2001 - European Reference Level Descriptions in Learning, Warsaw 2003). Effects N^{O}: AK_P7S_WG13	
Skills LISTENING The student should be able to follow: • opinions and lectures connected with the field of study, • films and recordings about their academic environment and the field of study within the scope of general knowledge, • general information on their academic field of study and specialization. READING The student should be able to read with understanding: • general scientific texts related to their interests and field of study, • papers concerning their field of study (theses). SPEAKING The student should be able to: • interact, participate in a discussion, express their ideas/viewpoints/attitudes and present topics related to their interests and the field of study, also during a job interview • prepare and give an oral presentation on a subject connected with their field of study, • recognize their own most common mistakes and control their speech. WRITING The student should be able to: • write a covering letter, CV, a reply to a job advertisement etc., • prepare a written presentation on a topic related to their field of study. Effects N^{O}: AK_P7S_UK07	

Social competences 1. The student wants to communicate in a foreign language to obtain specific information, broaden their knowledge and develop their linguistic skills. 2. The student wants to acquire new knowledge, has a need for self-development and is aware of the necessity of improving their linguistic skills all their life. • The student does tasks in class and at home. • The teacher observes student's performance during team and individual work. Effects N^{O}: AK_P7S_KK02	
Methods of evaluation	Presentations; speaking, writing, reading, listening, tests and activating exercises on the University e-learning Platform Moodle The final grade is the resultant value of the component grades in the areas of knowledge (40% or 20%), skills (40% or 60%) and social competences (20%)(to make 100% in total).
Classes topics	During the course, which is based on scientific articles, films and books, students have the opportunity to learn language skills necessary to succeed in their field of study in the English-speaking environment. Students study scientific content and learn how to talk and read about issues and processes connected with their studies. After completion of the course, students should be able to read professional journals and textbooks more fluently. They should be able to communicate with specialists from other countries and they should know how to prepare a presentation in English. During the course students have an opportunity to extend professional vocabulary and become more fluent linguistically to take up research in their field of study. The basic materials for the course comprise lexical and grammatical problems in the context of the variety of topics related to the requirements on B2+ Level (CEFR – Common European Framework of Reference 2001) - irrespective of students' language ability.

Human/political optional courses

Name of the subject	**Human/political optional course 1 - Ethics**
Semester	1th
ECTS points	2
Learning outcomes Knowledge Knows the basic terminology used in the humanities and social sciences: knows the basic concepts of ethics, defines basic ethical doctrines, knows selected contemporary ethical problems. Has elementary knowledge regarding the acquisition of information on the subject of the course. Has basic social knowledge, is able to indicate the relationships and relationships between the humanities and social sciences and agricultural, forestry, veterinary and natural sciences. Effects No: AK_P7S_wk05, AK_P7S_WK10 Skills Hes the ability to search for information, analysis and use of literature on the subject of the course. Uses specialized terminology in the language in which the subject is taught. Is aware of self-	

education. Effects No: AK_P7S_UW01, AK_P7S_UU09, AK_P7S_UW03 Social competences Can work in a group, taking on various roles. Understands the need for lifelong learning. Can think and act creatively. Effects No: AK_P7S_KK03, AK_P7S_KO04	
Methods of evaluation	Final evaluation of the classes is attendance, activity, discussions, presentations. Knowledge is verified in the presentation, skills and social competences in discussions. Level to pass – 60%
Lecture topics: 1. 1. The history of Poland and its impact on shaping the mentality of the Polish society (3 h) 2. The history of Wrocław and Lower Silesia (3 h) 3. Traditions and customs of the Polish nation (3 h) 4. The influence of postmodern culture on the third-wave societies (3 h) 5. New technologies and everyday life of the Polish society (3 h)	
Classes topics - NONE	

Name of the subject	**Human/political optional course 3 - Introduction to Polish culture**
Semester	3th
ECTS points	2
Learning outcomes Knowledge Student can talk about Poland Student has knowledge on the history of Wrocław and Lower Silesia. Effects No: AK_P7S_WG04 Skills Student can talk about Poland using historical and cultural issues thus creating the picture of Poland Student can politely express his views. Effects No: AK_P7S_UW01	
Methods of evaluation	Final evaluation of the classes is attendance, activity, discussions, presentations. Knowledge is verified in the presentation, skills and social competences in discussions. Level to pass – 60%
Lecture topics: 6. 1. The history of Poland and its impact on shaping the mentality of the Polish society (3 h) 7. The history of Wrocław and Lower Silesia (3 h) 8. Traditions and customs of the Polish nation (3 h) 9. The influence of postmodern culture on the third-wave societies (3 h) 10. New technologies and everyday life of the Polish society (3 h)	
Classes topics - NONE	