UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Program studiów

Kierunek: landscape architecture

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Charakterystyka kierunku

Informacje podstawowe

Nazwa kierunku:	landscape architecture
Poziom studiów:	studia drugiego stopnia (magister inżynier)
Profil studiów:	ogólnoakademicki
Forma studiów:	Stacjonarne
Tytuł zawodowy nadawany absolwentom:	magister inżynier
Czas trwania studiów (liczba semestrów):	4
Liczba punktów ECTS konieczna do ukończenia studiów:	120
Liczba godzin (w tym realizowanych z wykorzystaniem metod i technik kształcenia na odległość):	1954
Liczba godzin z wychowania fizycznego*:	0

*) - dotyczy studiów pierwszego stopnia i jednolitych studiów magisterskich realizowanych w formie stacjonarnej

Przyporządkowanie kierunku do dyscyplin:

Dyscyplina	Udział procentowy	ECTS
Inżynieria środowiska, górnictwo i energetyka	55%	66
Architektura i urbanistyka	45%	54

Sylwetka absolwenta

Absolwent studiów drugiego stopnia otrzymuje tytuł zawodowy magistra inżyniera. Ma 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 zagospodarowania 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.

Wymiar (liczba godz. i punktów ECTS), zasady i forma odbywania praktyk

Praktyka ma wymiar 450 godzin, 30 ECTS. Jest 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). Szczegółowy zakres praktyki 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

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 z listy temat wcześniej zgłoszony przez nauczycieli akademickich, posiadających co najmniej stopień doktora. Lista jest zatwierdzona przez radę programową oraz ogłoszona 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, a także 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, zamieszczonym na stronie Wydziału, w zakładce dotyczącej kierunku studiów architektura krajobrazu. Praca na etapie końcowym poddana jest pre-recenzjom wykonanym przez opiekunów, w których 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. 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. Opiekun pracy nie może być członkiem komisji.

b) część druga to udzielenie odpowiedzi na trzy pytania członków komisji wynikające z programu studiów. Student ma prawo do krótkiego przygotowania się przed udzieleniem odpowiedzi (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 ze wszystkich ocen 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.

ECTS

Liczba punktów ECTS, którą student uzyska na zajęciach wymagających bezpośredniego udziału nauczycieli akademickich lub innych osób prowadzących zajęcia i studentów	77
Liczba punktów ECTS, którą student uzyska w ramach zajęć z dziedziny nauk humanistycznych lub nauk społecznych**	6
Liczba punktów ECTS, którą student uzyska za zajęcia wybieralne	58
Liczba punktów ECTS przyporządkowana zajęciom związanym z prowadzoną w uczelni działalnością naukową w dyscyplinie lub dyscyplinach, do których przyporządkowany jest kierunek studiów	65
Liczba punktów ECTS przyporządkowana zajęciom kształtującym umiejętności praktyczne	

**) - dotyczy kierunków innych niż przypisane do dyscyplin nauk humanistycznych lub nauk społecznych

Dopuszczalny deficyt punktów ECTS po poszczególnych semestrach

Semestr	Deficyt	Komentarz
1	15	
2	15	jako suma deficytu z poprzednim semestrem
3	15	jako suma deficytów z poprzednich semestrów
4	0	

Sekwencje przedmiotów

Semestr	Nazwa przedmiotu realizowanego	Nazwa przedmiotu poprzedzającego

Efekty uczenia się

Wiedza

Kod	Treść
AK_P7S_WG01	Absolwent zna i rozumie w pogłębionym stopniu zasady analizy, planowania i projektowania terenów wiejskich oraz miejskich, rozumiejąc procesy w nim zachodzące oraz kontekst historyczny i kulturowy
AK_P7S_WG02	Absolwent zna i rozumie techniki i narzędzia stosowane w architekturze krajobrazu w ujęciu historycznym i kulturowym
AK_P7S_WG03	Absolwent zna i rozumie 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	Absolwent zna i rozumie zasadnicze uwarunkowania i czynniki kształtujące postać obszarów wiejskich i zurbanizowanych, a także przesłanki ich ochrony i planowego kształtowania, w tym konstekst kulturowy
AK_P7S_WG05	Absolwent zna i rozumie 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_WG06	Absolwent zna i rozumie odniesienia historyczne i kulturowe w projektowaniu przestrzeni w kontekście Europy oraz Chin, a także przykłady rozwiązań projektowych
AK_P7S_WG07	Absolwent zna i rozumie język obcy na poziomie B2+
AK_P7S_WK08	Absolwent zna i rozumie w pogłębionym stopniu rolę i znaczenie środowiska przyrodniczego; docenia istotę rozwoju zrównoważonego jako współczesnego dylematu działań w architekturze krajobrazu
AK_P7S_WK09	Absolwent zna i rozumie podstawy ekonomiczne, prawne i administracyjne działalności w zakresie planowania, projektowania i ochrony krajobrazu oraz konieczność uwzględniania różnice wynikających z odiennych uwarunkowań kulturowych, spolecznych i prawnych
AK_P7S_WK10	Absolwent zna i rozumie podstawowe pojęcia i zasady z zakresu prawa autorskiego i zasady oraz konsekwencje jego stosowania
AK_P7S_WK11	Absolwent zna i rozumie pojęcie hipotezy badawczej, założeń badawczych oraz ich znaczenie dla prowadzenia prawidłowych prac poznawczych

Umiejętności

Kod	Treść
AK_P7S_UK07	Absolwent potrafi 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	Absolwent potrafi współdziałać, planować i organizować pracę w zespole
AK_P7S_UU09	Absolwent potrafi aktualizować zdobytą wiedzę na kolejnych poziomach edukacji, studiach podyplomowych i kursach
AK_P7S_UW01	Absolwent potrafi integrować wiedzę, stosować podejście systemowe, oceniać przydatność i możliwość wykorzystania historycznych i współczesnych rozwiązań w zakresie dziedzin powiązanych z architekturą krajobrazu
AK_P7S_UW02	Absolwent potrafi rozróżniać modele danych GIS i stosować podstawowe metody analiz danych wektorowych w realizacji konkretnego zadania związanego z przestrzenią
AK_P7S_UW03	Absolwent potrafi przeprowadzać studia i analizy właściwe dla specyfiki zadania projektowego w szerokim kontekście uwarunkowań, w tym historycznych i kulturowych, stosując nowoczesne podejście metodyczne

Kod	Treść
AK_P7S_UW04	Absolwent potrafi planować i projektować obiekty architektury krajobrazu, uwzględniając aspekty pozatechniczne, np. społeczne, kulturowe, przekaz historyczny i tradycję
AK_P7S_UW05	Absolwent potrafi 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	Absolwent potrafi dokonać oceny i krytycznej analizy elementów antropogenicznych krajobrazu i zaproponować działania ulepszające, stosować kreatywne, systemowe i pozatechniczne oraz wariantowe rozwiązania

Kompetencje społeczne

Kod	Treść
AK_P7S_KK01	Absolwent jest gotów do krytycznej oceny posiadanej wiedzy i odbieranych treści oraz ciągłego uzupełniania wiedzy i umiejętności
AK_P7S_KK02	Absolwent jest gotów do 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_KO03	Absolwent jest gotów do współpracy z partnerami procesu twórczego, właściwej identyfikacji i hierarchizacji priorytetów oraz kryteriów decyzyjnych oraz planowania i organizowania tych działań
AK_P7S_KO04	Absolwent jest gotów do powiązania roli społecznej architekta krajobrazu ze środowiskiem i otoczeniem społecznym
AK_P7S_KO05	Absolwent jest gotów do działania i myślenia w sposób przedsiębiorczy, kreowania przestrzeni biznesowej
AK_P7S_KR06	Absolwent jest gotów do podejmowania odpowiedzialności za stan środowiska przyrodniczego i kulturowego i konsekwencje jego kształtowania
AK_P7S_KR07	Absolwent jest gotów do współpracy z partnerami społecznymi w procesie projektowania i współdziałania z odbiorcami projektu na każdym etapie jego tworzenia

Sylabusy

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

History and theory of space shaping in Europe

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3ed02471.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills Yes

Period	**Examination**	**Number of ECTS points**
Semester 1	exam **Activities and hours** lecture: 30, project classes: 15	4.0

Goals

C1	To introduce students to the main historical tendencies in the European landscape architecture with regard to recent methods and analysis' techniques necessary for landscape design in the different scales.
C2	To acquaint students with the general objectives of planning open and built-up spaces, as well as with the basic principles of landscape planning and design in relation to climate change and sustainable development demands.
C3	To provide knowledge in the field of the landscape character assessment.
C4	To develop skills in applying appropriate methods and analysis for sustainable design solutions.
C5	To make students aware of the complexity of project tasks with the awareness of their environmental conditions, different cultural expectations, as well as personal and collective responsibility for decisions made.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	odniesienia historyczne i kulturowe w projektowaniu przestrzeni w kontekście Europy oraz Chin, a także przykłady rozwiązań projektowych	AK_P7S_WG06	presentation
W2	techniki i narzędzia stosowane w architekturze krajobrazu w ujęciu historycznym i kulturowym	AK_P7S_WG02	project, presentation
W3	w pogłębionym stopniu rolę i znaczenie środowiska przyrodniczego; docenia istotę rozwoju zrównoważonego jako współczesnego dylematu działań w architekturze krajobrazu	AK_P7S_WK08	project
Skills – Student can:			
U1	integrować wiedzę, stosować podejście systemowe, oceniać przydatność i możliwość wykorzystania historycznych i współczesnych rozwiązań w zakresie dziedzin powiązanych z architekturą krajobrazu	AK_P7S_UW01	project, presentation
U2	współdziałać, planować i organizować pracę w zespole	AK_P7S_UO08	project
U3	dokonać oceny i krytycznej analizy elementów antropogenicznych krajobrazu i zaproponować działania ulepszające, stosować kreatywne, systemowe i pozatechniczne oraz wariantowe rozwiązania	AK_P7S_UW06	project
Social competences – Student is ready to:			
K1	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_KK02	project
K2	absolwent jest gotów do krytycznej oceny posiadanej wiedzy i odbieranych treści oraz ciągłego uzupełniania wiedzy i umiejętności	AK_P7S_KK01	project, presentation

Balance of ECTS points

Activity form	Activity hours*
lecture	30
project classes	15
consultations	2
lesson preparation	30
exam / credit preparation	30

Student workload	Hours	ECTS
	107	4.0

Workload involving teacher	**Hours** 47	**ECTS** 1.8
Practical workload	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	LECTURES CONTENT: 1) overview of the main historical tendencies in the European landscape architecture with regard to selected influential designers and their contribution to the concept of green infrastructure; 2) European Landscape Convention and challenges of landscape architecture in the 21st century: landscape quality objectives and Landscape Character Assessment methods; 3) the Triple Bottom Line in landscape planning: good practices of European Green Capitals, eco-cities and eco-districts in Europe and China; 4) the landscape aspects of adaptation to climate change: selected issues of construction, maintenance and recycling; 5) the Green Campuses and horticultural exhibitions as model examples instruments for landscape policies.	lecture
2.	Design exercises include: 1) field studies, analyses and presentations of selected Wroclaw landscapes with historical values; 2) presentations and discussions on standards and recommedations for green infrastructure in Wrocław: a design workshop for a selected location; 3) small design for a selected location (analyse, project, presentation).	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	presentation	30.00%
project classes	project	70.00%

Entry requirements

"The student can use appropriate terminology in English "

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Cartography and spatial information systems

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1AO.5e67a3ed0be42.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** general subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	graded credit **Activities and hours** lecture: 15, project classes: 15	3.0

Goals

C1	During the lectures, students learn the basic knowledge in the field of collection, analysis and visualization of spatial data. During the classes students exercise mentioned above tasks in selected GIS software.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	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.	AK_P7S_WG05	written credit
Skills – Student can:			
U1	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	AK_P7S_UW02	computer exam
Social competences – Student is ready to:			
K1	The student is aware of knowledge and skills development necessity	AK_P7S_KK01	observation of student's work

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	15
consultations	4
literature study	25
class preparation	30

Student workload	**Hours** 89	**ECTS** 3.0
Workload involving teacher	**Hours** 34	**ECTS** 1.2
Practical workload	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	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.	lecture

2.	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.	project classes

Course advanced

Teaching methods:

computer lab/laboratory, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written credit	50.00%
project classes	observation of student’s work, computer exam	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Shaping of landscape of the rural areas in Europe

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3ed1606a.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period Semester 1	**Examination** graded credit **Activities and hours** lecture: 15, project classes: 30	**Number of ECTS points** 4.0

Goals

C1	The student familiarizes with issues concerning rural landscape design. The content of the lectures focus on historical heritage of the European rural settlement and its new challenges.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Students have detailed knowledge based on theory and related to selected topics from their field of study.	AK_P7S_WG01	written credit, project

W2	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	AK_P7S_WG04	written credit, project
Skills – Student can:			
U1	Students know how to determine the value of individual components of the rural landscape and assess their value to the environment.	AK_P7S_UW03	project, observation of student's work, presentation
U2	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.	AK_P7S_UW06	project, observation of student's work, presentation
Social competences – Student is ready to:			
K1	Students are aware of the value of the cultural landscape of the rural areas	AK_P7S_KK01	active participation, presentation
K2	Students are able to think and act in a creative and enterprising way	AK_P7S_KO03	active participation, presentation

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
presentation/report preparation	10
lesson preparation	10
consultations	8
exam / credit preparation	5
exam participation	2
project preparation	40

Student workload	**Hours** 120	**ECTS** 4.0
Workload involving teacher	**Hours** 55	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	The development of agriculture in Poland and in Europe, as well as the history of agricultural settlement in the Polish lands. Spatial arrangements of villages and rural landscape components. Landscape distinguishing marks and rural architecture . The bases and the principles of rural design. Programs supporting the development of rural areas. Contemporary rural landscape and suburbs. Titles of lectures: Lecture 1: The development of the rural landscape in the Europe . Lecture 2 Influence of environmental factors on spatial layouts of settlements Lecture 3: The development of agricultural settlements in the Polish lands. Lecture 4: The components of the rural landscape. Rural distinguishing marks Lecture 5: Spatial arrangements in the villages. Farm buildings. Lecture 6: Architecture of traditional Polish countryside. 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	lecture

2.	The type and range of the exercises: 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. 1. 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	project classes

Course advanced

Teaching methods:

case analysis, brainstorming, foreign language (conversation classes), problem-solving method, presentation / demonstration, discussion, participation in research, lecture

Activities	Examination methods	Percentage in subject assessment
lecture	written credit	40.00%
project classes	project, observation of student’s work, active participation, presentation	60.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Green roof and living walls

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3ed2051f.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	graded credit **Activities and hours** lecture: 15, project classes: 30	3.0

Goals

C1	The aim of the course is to familiarize students with knowledge about unconventional ways of introducing greenery into the cities. During the course, student performs design of green roof and vertical garden(teamwork) and indoor space taking into account the plant ceiling, living walls and green roofs.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	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	AK_P7S_WG03	written credit, project
Skills – Student can:			
U1	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	AK_P7S_UO08	project
Social competences – Student is ready to:			
K1	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	AK_P7S_KO03	presentation

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
project preparation	25
presentation/report preparation	5
exam / credit preparation	7
exam participation	2
consultations	5

Student workload	**Hours** 89	**ECTS** 3.0
Workload involving teacher	**Hours** 52	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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	lecture
2.	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	project classes

Course advanced

Teaching methods:

project-based learning (PBL), presentation / demonstration, teamwork, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written credit	50.00%
project classes	project, presentation	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Diploma seminar I

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1AO.5e67a3ed2a8be.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** general subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 1	**Examination** graded credit **Activities and hours** project classes: 15	**Number of ECTS points** 1.0

Goals

C1	The aim of the course is to familiarize students with the character and specificity of the master's thesis and to indicate differences in relation to engineer’s thesis
C2	The principles of a project and study type master thesis will also be presented.
C3	Presentations and discussions in groups are aimed at preparing students for public speaking, a clear and succinct presentation of their thoughts and defense of their own opinions

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	Has detailed knowledge of selected issues concerning contemporary trends and problems in landscape architecture – with regard to management, programming, planning and design of landscape	AK_P7S_WG05	presentation, participation in discussion
W2	Has knowledge of research methods used in landscape architecture	AK_P7S_WK08	presentation, participation in discussion
Skills – Student can:			
U1	Is able to obtain all the necessary information for the research and project tasks from diverse sources that are available in a foreign language	AK_P7S_UW05	observation of student's work, presentation, participation in discussion
Social competences – Student is ready to:			
K1	Is aware of the problematic complexity concerning landscape management and the significance of its inter-disciplinary interpretation	AK_P7S_KK01	observation of student's work, active participation

Balance of ECTS points

Activity form	**Activity hours***
project classes	15
presentation/report preparation	6
collecting and studying literature	5
consultations	4

Student workload	**Hours** 30	**ECTS** 1.0
Workload involving teacher	**Hours** 19	**ECTS** 0.7
Practical workload	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	In the beginning, the principles of master's theses and the methodology of scientific papers are presented. Next, the principles of work at the university in Poland and China are discussed, and discussions are held in relation to other countries. Students review the literature related to their interests and future master's thesis, as well as perform presentations related to the analyses made. Then they prepare a short paper on a selected topic related to the literature review, present their work to other students and discuss selected issues. 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	project classes

Course advanced

Teaching methods:

case analysis, brainstorming, foreign language (conversation classes), problem-solving method, presentation / demonstration, discussion

Activities	Examination methods	Percentage in subject assessment
project classes	observation of student’s work, active participation, presentation, participation in discussion	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

English - science and technology

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1JO.5e67a3ed348e0.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills Yes

Period	**Examination**	**Number of ECTS points**
Semester 1	exam **Activities and hours** foreign language (course): 30, e-learning: 30	4.0

Goals

C1	The student is made acquainted with educational contents of the English specialist language required at the B2+ level for the purpose of achieving the relevant language competence enabling him/her to properly function both in the professional and academic environment.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Skills – Student can:			

U1	understand statements and lectures related to his/her academic environment, field of study, films and recordings concerning the academia, specialist as well as general knowledge and information related to a given field of study; read the texts on general and popular science topics related to his/her field of study, publications related to their field of study; communicate, participate in discussions, present views and topics related to his/her field of study and interests; prepare and deliver a presentation related to the field of study; fully command his/her own oral utterances, come into communication interactions as well as identify the most common mistakes committed by himself/herself and correct them; write a cover letter & CV, respond to a job offer, formulate an abstract, etc. and prepare a scientific text for a presentation.	AK_P7S_UK07	oral exam, observation of student's work, active participation, presentation, test, performing tasks

Balance of ECTS points

Activity form	**Activity hours***
foreign language (course)	30
e-learning	30
consultations	4
class preparation	44
exam participation	2
exam / credit preparation	10

Student workload	**Hours** 120	**ECTS** 4.0
Workload involving teacher	**Hours** 66	**ECTS** 2.4
Practical workload	**Hours** 60	**ECTS** 2.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	During the course based on scientific materials, films and books, students have the opportunity to master language skills necessary for activities in the field of their study in English-speaking countries; study scientific contents in English and learn how to talk and write on topics related to their studies. At the end of the course, students ought to be able to: read professional literature; communicate with professionals from other countries; prepare oral presentations in English. During the course, students also have the opportunity to expand their professional vocabulary and acquire linguistic fluency, which in turn can facilitate the undertaking of scientific work in foreign centres. The materials include specialist, lexical and grammatical topics adapted to the B2+ level (CEFR) - regardless of the level of the students' foreign language knowledge. Specialist language – topics realized during 2 semesters: Vocabulary and structures (academic and scientific language); Mathematical language, charts, tables, statistics; Acquiring competences necessary for description of studies, universities and academic life; Methods of delivering effective presentations in English; Delivery presentations on topics related to the field of study; Writing a CV, a cover letter and an abstract; Methods of effective interaction in job interviews; Specialist texts.	foreign language (course)
2.	The curriculum contents (50%) are realized on the basis of appropriate e-learning materials.	e-learning

Course advanced

Teaching methods:

foreign language (conversation classes), presentation / demonstration, classes

Activities	Examination methods	Percentage in subject assessment
foreign language (course)	oral exam, observation of student's work, active participation, presentation, test, performing tasks	70.00%
e-learning	test, performing tasks	30.00%

Entry requirements

Adequate level of language is required
Group level Min. level
B2+ --> B1, B2

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

City on Time - History, Culture and Landscape of the City

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1HS.5e67a3ed49a13.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills Yes

Period Semester 1	**Examination** graded credit **Activities and hours** lecture: 30	**Number of ECTS points** 2.0

Goals

C1	The course deals with the history, culture and customs of Wrocław.
C2	The course also helps the participants to become understanding, tolerant as well as broad-minded and creative members of the society.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	The student is able to understand and participate in discussions and lectures related to his academic environment, can comprehensively read complex texts on general and popular science topics related to his field of study and interests.	AK_P7S_WG07	written credit, report
Skills – Student can:			
U1	The student can discuss problem issues in a civilised way without being hostile.	AK_P7S_UO08	written credit, report
Social competences – Student is ready to:			
K1	communicates with the co-workers and shares knowledge	AK_P7S_KR07	written credit, report

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
collecting and studying literature	20
consultations	10

Student workload	**Hours** 60	**ECTS** 2.0
Workload involving teacher	**Hours** 40	**ECTS** 1.5

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	1. Lecture: An outline of the history of Lower Silesia and Wrocław 2. Trip to Muzeum Etnograficzne, 111,Traugutta St. 3. Lecture: Medieval and Renaissance Wrocław 4. Trip, part 1, to Ostrów Tumski and Sisters of Notre Dame, 12, Św. Marcina St. – Romanesque beginnings 5. Trip, part 2, to Market Square 6. Lecture: Baroque and Romantic Wrocław 7. Trip to Aula Leopoldina, Oratorium Marianum, University Church 8. Christmas Eve Supper (2 classes) – supper at a restaurant 9. Christmas Eve Supper 10. Lecture: Pre-war Wrocław, modernism, WUWA 11. Trip: Biskupin, Zalesie, WUWA, Centennial Hall 12. Lecture: Post-war Wrocław; lecture combined with a trip to Centrum Historii Zajezdnia, 184, Grabiszyńska St. 13. Lecture: Customs, cuisine 14. The floor is yours! Students talk about their own countries and impressions of Poland 15. Final meeting, final discussions.	lecture

Course advanced

Teaching methods:

educational film, teamwork, discussion, lecture

Activities	Examination methods	Percentage in subject assessment
lecture	written credit, report	100.00%

Entry requirements

English B2 level required

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Wrocław - A Palimpsest City

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1HS.5e67a3ed54531.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 1	**Examination** graded credit **Activities and hours** lecture: 30	**Number of ECTS points** 2.0

Goals

C1	The student is made acquainted with the history of Wrocław on the example of its pre-war and post-war architecture to help him/her understand the complex historical and cultural changes undergone by the capital of Lower Silesia. It also aims at discussing phenomena such as resettling, mythicizing history, using propaganda, cleansing memory, rebranding a city as reflected in the local architecture.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	The student has knowledge on the history of Wrocław	AK_P7S_WG01	written credit, test
Skills – Student can:			

U1	The student: can provide examples of pre-war and post-war architecture in Wrocław and connect them with a wider social/political/historical picture; can communicate, participate in discussions, present views and topics related to the contents of the course; can prepare and deliver an oral presentation related to the contents of the course.	AK_P7S_UW01	written credit, active participation, presentation
Social competences – Student is ready to:			
K1	The student can politely express his/her views	AK_P7S_KK01	active participation

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
consultations	4
lesson preparation	26

Student workload	**Hours** 60	**ECTS** 2.0
Workload involving teacher	**Hours** 34	**ECTS** 1.2

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	During the course based on books, films and field trips students have the opportunity to acquaint themselves with the history of Wrocław – in particular with its pre-war and post-war architecture. At the end of the course, students ought to be able to: provide well-known examples of pre-war and post-war Wrocław architecture as well as the names of its creators; talk about Wrocław's pre-war and post-war architecture with respect to a wider social/political/historical context; participate in discussions connected with the contents of the course; prepare and conduct an oral presentation on a topic connected with the contents of the course.	lecture

Course advanced

Teaching methods:

presentation / demonstration, discussion, lecture

Activities	Examination methods	Percentage in subject assessment
lecture	written credit, active participation, presentation, test	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

History of European art on the example of Wroclaw and nearby

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3ed611c7.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 1	**Examination** graded credit **Activities and hours** lecture: 15, project classes: 30	**Number of ECTS points** 3.0

Goals

C1	To acquaint students with China with elements of European art (ie: urban architecture, painting, palaces, castles and gardens). Practical presentation of the characteristics of styles of particular eras during trips in Wroclaw and surrounding areas. Finding decorative motifs from China.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	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.	AK_P7S_WG06	active participation, report

W2	The student uses the basic terminology of art history. Recognizes the characteristics of the era.	AK_P7S_WK09	active participation, report
Skills – Student can:			
U1	In projects, student can refer this skill to areas beyond landscape architecture. Students distinguish and assign pieces of sculpture and Picture to apprioprate styles in Europe and Chna	AK_P7S_UW04	presentation
Social competences – Student is ready to:			
K1	The student demonstrates understanding for aesthetic issues related to the design of building objects.	AK_P7S_KR06	active participation

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
lesson preparation	15
conducting research	15
presentation/report preparation	10

Student workload	**Hours** 85	**ECTS** 3.0
Workload involving teacher	**Hours** 45	**ECTS** 1.7
Practical workload	**Hours** 45	**ECTS** 1.7

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	Titles of lectures: 1. Differences in the division into historical styles in Europe and Asia 2. Medieval churches of Wroclaw from the times of the 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 at eighteenth-century palaces. (Palace in Wroclaw and in Książ near Wałbrzych) 5.Modernism and WUWA 6.Contemporary art of architecture and design in Europe 7. Exam	lecture
2.	Classes combined with specific topics of lectures. Effective execution of each topic approx. pictures and hand drawing. 1. A trip to the National Museum in Wrocław. 2. Drawing a Gothic architectural detail based on the example of Wrocław's churches. 3. Comparison of gothic and renaissance style at the castle in Brzeg. 4. Finding references to Chinese art in objects from the 18th century. 5. Inspiration of Japanese woodcuts in the European art of the end of the 19th century. 6. A trip to the modernist districts of Wrocław from the early 20th century. 7. Passing exercises.	project classes

Course advanced

Teaching methods:

educational film, teamwork, participation in research, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	active participation, presentation	50.00%
project classes	active participation, report	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Painting in the landscape architecture

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1HS.5e67a3ed6c2d1.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 1	**Examination** graded credit **Activities and hours** lecture: 15, project classes: 30	**Number of ECTS points** 3.0

Goals

C1	Proportions of the seated and standing with regard to landscaping and trees in the drawing. application perspectives from different points of view. Illusory frescoes on buildings . Function and form of modern murals.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Students can characterize how to draw figures in proportion to architecture and vegetation. They know the Renaissance perspective of one and two vanishing points.	AK_P7S_WG02	active participation, report, participation in discussion

W2	They understand the interrelationship of different fields of art in the picture of landscape architecture.	AK_P7S_WK10	active participation, report, participation in discussion
Skills – Student can:			
U1	Students use monochrome and colourful drawing for the purposes of spatial analysis. They know how to observe and measure the proportions of the objects (figures, plants, things) and how to transfer them on canvas.	AK_P7S_UW01, AK_P7S_UW04	project, active participation, participation in discussion
U2	They can apply the perspective of one and two vanishing points to express the third dimension on a flat sheet The student is able to figure garden I compose using the prospect of classical or practice Cubists.	AK_P7S_UW04	project, active participation, participation in discussion
Social competences – Student is ready to:			
K1	Students have creative skills. They know how to observe the wildlife around and how to show it in a realistic manner as well as transform it subjectively and creatively.	AK_P7S_KO04	active participation, participation in discussion
K2	Student interprets existing phenomena in the environment for their own creative attitude (landscape, characters, advertising, architecture, interconnectedness et al.).	AK_P7S_KK01	active participation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
class preparation	5
consultations	5
report preparation	10
project preparation	20

Student workload	**Hours** 85	**ECTS** 3.0
Workload involving teacher	**Hours** 50	**ECTS** 2.0
Practical workload	**Hours** 40	**ECTS** 1.5

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	Proportions of the seated and standing with regard to landscaping and trees in the drawing. application perspectives from different points of view. Illusory frescoes on buildings . Function and form of modern murals. Design abstract and cubist design in the twentieth century painting in landscape architecture. The concept of linear and aerial perspective helpful in arts projects	lecture
2.	Titles of classes: - Rhythmic composition in different color schemes. Drawing with crayons on the basis of still life of plants. - Inside the park a monument symbolic figures - Painting with liquid acrylics in the style of action painting of Jackson Pollack. - Designing a mural illusory on the selected building facade. -Drawing building in the style of the 30s surrounded by a garden in perspective -Subjective use of color, different from the naturalistic in terms of painting a still life -Ways to present groups of trees and plants in various techniques. Classes open-air park. - Expressionist painting and water plants in the Botanical Garden (in painting with tempera or acrylic). -Painting Art Nouveau referring to Japanese art in Wroclaw Japanese Garden (ink drawing and watercolor painting)	project classes

Course advanced

Teaching methods:

brainstorming, discussion, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	report, participation in discussion	50.00%
project classes	project, active participation	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Social aspects of shaping urban landscape in Poland

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3ed76993.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	graded credit **Activities and hours** lecture: 15, project classes: 30	3.0

Goals

C1	Has essential theoretical knowledge of environmental psychology in respect of its relation to landscape architecture
C2	Is able to apply the knowledge of psychological processes in spatial planning and design
C3	Is aware of the relation between the role of a landscape architect and the environment , diverse entities and environmental groups.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	Students knows and uderstands essential theoretical knowledge of environmental psychology in respect of its relation to landscape architecture	AK_P7S_WG06	written credit, presentation
Skills – Student can:			
U1	Student can to apply the knowledge of psychological processes in spatial planning and design	AK_P7S_UW06	project, active participation
Social competences – Student is ready to:			
K1	Student is ready to work in interdisciplinary teams in the design process in the field of landscape architecture.	AK_P7S_KK02, AK_P7S_KO04	project, active participation

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
presentation/report preparation	10
project preparation	15
exam / credit preparation	10
consultations	10

Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 55	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	• Knowledge about social and psychological aspects of shaping open space. • The methods of studies and analysis on open space in a city with consideration the condition connected with its social and physical structure.	lecture

2.	• Public space in contemporary cities. • Shaping public space in social aspects. • Physical space and social space. • Territorialism. • Interactive space. • Social meaning of greenery in public city space. • „City game” as an idea of social participation in shaping urban space. • Civic budget. • Screenplay strategy in shaping of urban space. • A role of non-governmental organizations in „game of space”. • Communication in „game of space”. • Social dimension of lighting and illumination. • Light in role of mediator in revitalization of urban space. • Holistic consider on contemporary illumination and lighting city space.	project classes

Course advanced

Teaching methods:

case analysis, brainstorming, educational film, problem-solving method, presentation / demonstration, teamwork, discussion, participation in research, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written credit, active participation, presentation	40.00%
project classes	project, active participation, presentation	60.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Shaping of therapeutic environment

Karta opisu przedmiotu

Informacje podstawowe

Kierunek studiów landscape architecture	**Cykl kształcenia** 2021/22
Specjalność -	**Kod przedmiotu** WIKSiGIALS.MI1BO.5e67a3ed8bc61.21
Jednostka organizacyjna Wydział Inżynierii Kształtowania Środowiska i Geodezji	**Języki wykładowe** Angielski
Poziom studiów studia drugiego stopnia (magister inżynier)	**Obligatoryjność** Fakultatywny
Forma studiów Stacjonarne	**Blok zajęciowy** Przedmioty kierunkowe prowadzone w językach obcych
Profil studiów ogólnoakademicki	**Przedmiot powiązany z badaniami naukowymi** Tak
	Przedmiot kształtujący umiejętności praktyczne Nie

Okres	**Forma zaliczenia**	**Liczba punktów ECTS**
Semestr 1	Egzamin **Forma prowadzenia i godziny zajęć** Wykład: 15, Ćwiczenia projektowe: 30	3.0

Cele kształcenia dla przedmiotu

C1	1. Zapoznanie studentów z zagadnieniami i zasadami projektowania uniwersalnego.
C2	2. Prezentacja potrzeb różnych grup użytkowników wobec przestrzeni otwartych - zewnętrznych.
C3	3. Przedstawienie treści związanych z psychologią środowiskową w kontekście środowiska terapeutycznego.
C4	4. Przedstawienie zagadnień zielonej opieki i ogrodów terapeutycznych – znaczenie i przykłady realizacji.
C5	5. Prezentacja form terapii prowadzonych na zewnątrz w powiązaniu z elementami zagospodarowania terenu

Efekty uczenia się dla przedmiotu

Kod	**Efekty uczenia się w zakresie**	**Kierunkowe efekty uczenia się**	**Metody weryfikacji**

Wiedzy – Student zna i rozumie:			
W1	Student zna i rozumie rolę i znaczenie środowiska przyrodniczego w kontekście jego wpływu na zdrowie i samopoczucie; docenia istotę rozwoju zrównoważonego i potrzebę kontaktu z przyrodą.	AK_P7S_WK08	Egzamin pisemny, Projekt
W2	Student zna i rozumie odniesienia historyczne i kulturowe w projektowaniu przestrzeni w kontekście Europy oraz Chin, a także przykłady rozwiązań projektowych związanych z wykorzystaniem terenu w procesach terapeutycznych.	AK_P7S_WG06	Egzamin pisemny, Projekt
Umiejętności – Student potrafi:			
U1	Student potrafi wykorzystać w procesie zarządzania, planowania i projektowania krajobrazu wiedzę na temat projektowania terenu z uwzględnieniem jego roli w podniesieniu efektywności działań terapeutycznych.	AK_P7S_UW05	Egzamin pisemny, Projekt
U2	Student potrafi dokonać oceny i krytycznej analizy elementów zagospodarowania terenu i zaproponować działania ulepszające wykorzystanie przestrzeni w procesie terapeutycznym, stosować kreatywne i wariantowe rozwiązania	AK_P7S_UW06	Egzamin pisemny, Projekt
Kompetencji społecznych – Student jest gotów do:			
K1	Student jest gotów do podjęcia się zadań o wyższym stopniu skomplikowania przy współpracy z różnymi osobami i podmiotami społecznymi, w tym z osobami niepełnosprawnymi oraz do efektywnej i etycznej pracy w grupie przy wykonywaniu zadania projektowego związanego z zagospodarowaniem uwzględniającym prowadzenie terapii na zewnątrz.	AK_P7S_KK02	Egzamin pisemny, Projekt
K2	Student jest gotów do powiązania roli społecznej architekta krajobrazu ze środowiskiem i otoczeniem społecznym w kontekście wykorzystania przestrzeni jako miejsca prowadzenia terapii i procesów integracyjnych.	AK_P7S_KO04	Egzamin pisemny, Projekt
K3	Student jest gotów do współpracy z partnerami społecznymi, w tym z przyszłymi użytkownikami terenu, w procesie projektowania i współdziałania z odbiorcami projektu na każdym etapie jego tworzenia oraz atrakcyjną prezentację proponowanych rozwiań.	AK_P7S_KR07	Egzamin pisemny, Projekt

Bilans punktów ECTS

Forma aktywności studenta	**Średnia liczba godzin* przeznaczonych na zrealizowane aktywności**
Wykład	15
Ćwiczenia projektowe	30
Przygotowanie prezentacji/referatu	10
Konsultacje	10

Przygotowanie do zajęć	15
Przygotowanie do egzaminu/zaliczenia	7
Udział w egzaminie	3

Łączny nakład pracy studenta	**Liczba godzin** 90	**ECTS** 3.0
Zajęcia z bezpośrednim udziałem nauczyciela	**Liczba godzin** 58	**ECTS** 2.0
Nakład pracy związany z zajęciami o charakterze praktycznym	**Liczba godzin** 30	**ECTS** 1.0

* godzina (lekcyjna) oznacza 45 minut

Treści programowe

Lp.	Treści programowe	Formy prowadzenia zajęć
1.	1. Teoria środowiska terapeutycznego 2. Teoria środowiska terapeutycznego 3. Projektowanie dla specjalnych grup użytkowników 4. Osoby niepełnosprawne umysłowo, osoby niepełnosprawne fizycznie, osoby starsze, dzieci…. Otoczenie obiektów i szpitali, przestrzeń publiczna… 5. Typologia przestrzeni zewnętrznych 6. Wytyczne projektowe dotyczące przestrzeni zewnętrznych w placówkach opiekuńczych 7. Wytyczne projektowe dotyczące przestrzeni zewnętrznych w placówkach opiekuńczych 8. Wytyczne projektowe dla uzdrawiających ogrodów dla dzieci 9. Najlepsze rośliny do ogrodów i ich użytkowników o specjalnych potrzebach 10. Zwiększanie użyteczności miejsca. Jak zachęcić ludzi do wyjścia na zewnątrz? 11. Elementy uniwersalnego designu 12. Elementy uniwersalnego designu 13. Warsztat terenowy - uniwersalny projekt we Wrocławiu 14. Egzamin 15. Ewaluacja	Wykład

2.	1. Prezentacja przedmiotu: warsztaty terapii zajęciowej i obszar wspólnoty oraz wizyta na terenie opracowania (spotkanie z klientem) (dwa bloki ćwiczeniowe) 2. Przygotowanie analizy - potrzeby użytkowników, informacja o historii miejsca (dwa bloki ćwiczeniowe) 3. Prezentacja analiz i rozwiązań pokrewnych. 4. Koncepcja zagospodarowania terenu. 6. Powiązanie z otoczeniem terenu zagospodarowania. 7. Szczegóły małej architektury 8. Rośliny dedykowane do miejsc 9. Przekroje przez teren zagospodarwoania. 10. Wizualizacja wybranych obszarów 11. Opis koncepcji 12. Prezentacja koncepcji klientom 13. Ocena pracy semestralnej	Ćwiczenia projektowe

Informacje rozszerzone

Metody nauczania:

Analiza przypadków, Burza mózgów, Film dydaktyczny, Praca w grupie, Dyskusja, Wykład, Zajęcia praktyczne w warunkach symulacyjnych

Aktywności	Metody zaliczenia	Udział procentowy w ocenie łącznej przedmiotu
Wykład	Egzamin pisemny	50.00%
Ćwiczenia projektowe	Projekt	50.00%

Wymagania wstępne

Brak wstępnych wymagań związanych bezpośrednio z przedmiotem.

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Landscape engineering

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3ed96aa6.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	exam **Activities and hours** lecture: 15, project classes: 30	3.0

Goals

C1	The aim of the course is to provide students with knowledge and acquire skills in interdisciplinary activities combining technical and biological solutions aimed at landscape engineering and landscape management and development.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Identifies the causes of the degradation of the landscape, in particular the elements and forms of degradation of water, soil and land and vegetation.	AK_P7S_WG04, AK_P7S_WK08	written exam, project, active participation

W2	It indicates technical, biological and organizational appropriations and methods of treatment, reclamation, renaturalization and development of the environment and landscape.	AK_P7S_WG03, AK_P7S_WK08	written exam, project, active participation
W3	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.	AK_P7S_WG02, AK_P7S_WG03, AK_P7S_WK08	written exam, project, active participation
Skills – Student can:			
U1	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.	AK_P7S_UO08, AK_P7S_UW01, AK_P7S_UW03, AK_P7S_UW06	project, observation of student's work, active participation
U2	Knows how to use of norms, standards of engineering, specialized literature to develop, reclamation and re environment and landscape.	AK_P7S_UO08, AK_P7S_UU09, AK_P7S_UW01, AK_P7S_UW04, AK_P7S_UW05	project, observation of student's work, active participation
U3	Use, calculated and designs technical and biological measures to renaturalization surface water, the reclamation of degraded areas and the management of rainwater.	AK_P7S_UO08, AK_P7S_UW01, AK_P7S_UW03, AK_P7S_UW04	project, observation of student's work, active participation
Social competences – Student is ready to:			
K1	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.	AK_P7S_KK02, AK_P7S_KO03, AK_P7S_KR06	project, observation of student's work, active participation
K2	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.	AK_P7S_KO03, AK_P7S_KO04, AK_P7S_KO05, AK_P7S_KR07	project, observation of student's work, active participation
K3	Understands the need for continuous replenishment of their knowledge and skills in the field of new technologies and solutions used in landscape engineering .	AK_P7S_KK01, AK_P7S_KK02	project, observation of student's work, active participation

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
lesson preparation	9
project preparation	25
consultations	9

exam participation	2

Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 56	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	Titles of lectures: 1. The specificity of interdisciplinary activities combining technical and biological measures to protect the proper functioning of the landscape. 2. The degradation of water, soil, land and vegetation. 3. Reclamation of degraded areas. 4. Examples of innovative post-mining reclamation (Granitzentrum, Granite Arena, Chęciny k. Kielce). Discussion of the idea, implementation, financing principles. 5. Technical and biological measures renaturisation of surface waters. Technical and biological construction of watercourses and water reservoirs. 6 Technical and biological processes for controlling the migration of wild animals. 7. Management of rainwater in urban areas.. 8. Sustainable water management in the non-urban landscape. 9. Urban rainwater management strategies. Legal and technical solutions. 10. Adapting to climate change in the landscape. Presentation of projects AdaptCity, UrbanAdapt. 11. Possibilities of financing projects concerning reclamation of degraded areas from European Union funds 12. Possibilities of financing projects concerning reclamation of degraded areas from national funds and international funds. 13. Legal and administrative tools in landscape engineering.	lecture
2.	Titles of classes: 1. Project of technical reclamation and land development on the area of post exploitation of natural resources. 2. Project of managmenet of rainwater.	project classes

Course advanced

Teaching methods:

project-based learning (PBL), teamwork, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written exam, active participation	30.00%
project classes	project, observation of student’s work, active participation	70.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Historical fortification in landscape

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e67a3eda39ce.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	exam **Activities and hours** lecture: 15, project classes: 30	3.0

Goals

C1	Raising students awereness of heritage protection, post-military heritage conservation, contemporary trends in the sustainable management of these facilities including microclimate and environmental protection actions in mitigation of climate change in urban areas.
C2	Familiarize students with the unique features of historical fortifications by creating an adequate landscape narration based on historical components such as: greenery; water; soil; structures for protection of the 'genius loci'.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	Student has knowledge of historical and cultural activities of in the field of landscape architecture and knows how to creatively develop it for future users.	AK_P7S_WG02, AK_P7S_WG06, AK_P7S_WK08	written exam, presentation
Skills – Student can:			
U1	Student is able to exploit the knowledge of the specific detailed problems concerning the contemporary trends and issues in landscape architecture.	AK_P7S_UW03, AK_P7S_UW05	project
Social competences – Student is ready to:			
K1	Graduate student is able to has sense of responsibility in rational and effective management of landscape resources	AK_P7S_KR06	project

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
presentation/report preparation	15
project preparation	15
consultations	15

Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 60	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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	project classes

2.	Lecture 1. Introductory lecture. Basic characteristic of historical fortifications. 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. The terms of conservation and restoration of monuments. Lecture 6. Historical earthworks in relation with landscape design. Lecture 7. Camouflage and its use in modern landscape architecture. Lecture 8. Post-fortress greenery in modern landscape architecture in relation to climate change. Lecture 9. Inundated landscape is fortification and its use in modern landscape architecture. Lecture 10. History of Wroclaw fortifications - outside classroom. Lecture 11. The Heritage Development Model application and development. The case study of the New Dutch Water Line (UNESCO) Lecture 12. Examples of historic fortifications revitalization in Europe. Lecture 13. Examples of historic fortifications revitalization in Europe. Lecture 14. Lectures review. Lecture 15. Summary Assessment of students’ work.	lecture

Course advanced

Teaching methods:

brainstorming, presentation / demonstration, teamwork, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written exam	50.00%
project classes	project, presentation	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Preservation and development of cultural heritage

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI1BO.5e4537c7e9d15.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	exam **Activities and hours** lecture: 15, project classes: 30	3.0

Goals

C1	Raising students awereness of heritage protection, post-military heritage conservation, contemporary trends in the sustainable management of these facilities including microclimate and environmental protection actions in mitigation of climate change in urban areas.
C2	Familiarize students with the unique features of historical fortifications by creating an adequate landscape narration based on historical components such as: greenery; water; soil; structures for protection of the 'genius loci'.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	Student has knowledge of historical and cultural activities of in the field of landscape architecture and knows how to creatively develop it for future users.	AK_P7S_WG04, AK_P7S_WG06	written exam, project
Skills – Student can:			
U1	Student is able to exploit the knowledge of the specific detailed problems concerning the contemporary trends and issues in landscape architecture.	AK_P7S_UW03	project
Social competences – Student is ready to:			
K1	Graduate student is able to has sense of responsibility in rational and effective management of landscape resources	AK_P7S_KR06	project

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
project preparation	15
presentation/report preparation	15
consultations	15

Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 60	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	Lecture 1. Introductory lecture. Basic characteristic of historical fortifications. 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. The terms of conservation and restoration of monuments. Lecture 6. Historical earthworks in relation with landscape design. Lecture 7. Camouflage and its use in modern landscape architecture. Lecture 8. Post-fortress greenery in modern landscape architecture in relation to climate change. Lecture 9. Inundated landscape is fortification and its use in modern landscape architecture. Lecture 10. History of Wroclaw fortifications - outside classroom. Lecture 11. The Heritage Development Model application and development. The case study of the New Dutch Water Line (UNESCO) Lecture 12. Examples of historic fortifications revitalization in Europe. Lecture 13. Examples of historic fortifications revitalization in Europe. Lecture 14. Lectures review. Lecture 15. Summary Assessment of students’ work.	lecture

2.	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	project classes

Course advanced

Teaching methods:

brainstorming, educational film, presentation / demonstration, teamwork, lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written exam	50.00%
project classes	project	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

OHS and fire protection training

Educational subject description sheet

Basic information

Field of study all	**Education cycle** 2021/22
Speciality -	**Subject code** UPWrWS.IIo1A.1593608624.21
Department brak	**Lecture languages** English
Study level studia drugiego stopnia	**Mandatory** mandatory
Study form Full-time	**Block** general subjects
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 1	credit **Activities and hours** e-learning lecture: 4	0.0

Goals

C1	To familiarize students with the principles of health and safety and fire protection during their stay at the university, preventing and protecting students against accidents

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Skills – Student can:			
U1	be cautious at the university, identify and counteract hazards effectively, and identify harmful and nuisance factors in laboratories and rooms		written credit

U2	provide first aid to victims in certain accidents, behave properly in situations of danger to health and life		written credit
U3	behave properly in the event of a fire and evacuate yourself and other persons at risk from the building		written credit
Social competences – Student is ready to:			
K1	recognise the importance of the impact of their behaviour on their own safety and that of other students/employees of the university		written credit
K2	understanding the importance of health and safety and fire protection for the health and life of students / university employees		written credit
K3	understand the consequences of non-compliance with health and safety rules		written credit

Balance of ECTS points

Activity form	**Activity hours***	
e-learning lecture	4	
Student workload	**Hours** 4	**ECTS** 0.0
Workload involving teacher	**Hours** 4	**ECTS** 0.1

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	The subject matter of the course is health and safety at work in terms of legal basis and prevention activities, first aid, as well as organization of fire protection at the University. The subject is conducted in the form of a blended learning course on the Moodle platform. The course includes four modules: - Module 1: Selected legal issues - Module 2 Health and Life Threats - Module 3 First Aid - Module 4 Fire protection	e-learning lecture

Course advanced

Teaching methods:

educational film, lecture

Activities	**Examination methods**	**Percentage in subject assessment**
e-learning lecture	written credit	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Practice I: External institutions

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI2BO.5e67a3ef2ce81.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills Yes

Period Semester 2	**Examination** graded credit **Activities and hours** practical training: 330	**Number of ECTS points** 24.0

Goals

C1	Students after practice know the rules of protection and development of protected natural areas; knows the meaning of the protection of the historical heritage; is able to work in design groups in different institutions.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	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.	AK_P7S_WG04, AK_P7S_WK08	oral credit

Skills – Student can:			
U1	Student is able to obtain all the necessary information for a project task from diverse sources.	AK_P7S_UU09	active participation
U2	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.	AK_P7S_UW05	active participation
Social competences – Student is ready to:			
K1	Student is aware of the relation between the role of a landscape architect and the environment diverse entities and environmental groups.	AK_P7S_KR06	oral credit

Balance of ECTS points

Activity form	**Activity hours***
practical training	330
presentation/report preparation	120
consultations	90
project preparation	120
collecting and studying literature	60

Student workload	**Hours** 720	**ECTS** 24.0
Workload involving teacher	**Hours** 420	**ECTS** 16.0
Practical workload	**Hours** 330	**ECTS** 13.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	The cultural and historic values within the scope of a selected protected area; landscape park, national park. The role and functions of botanical gardens, arboreta and legally protected areas. The cultural and historic values within the area of a selected landscape or national park. The elements of small architecture, landscapes, landscape designing and realization of it. The effects of village development on the scenic values of a selected landscape park. Student knows practical organizational rules of realization of landscape architectural design projects, knows basic principles of their utilization, maintenance and renovation, as well as techniques and tools necessary to conduct these activities.	practical training

Course advanced

Teaching methods:

case analysis, brainstorming, situation-based learning, presentation / demonstration, discussion, participation in research

Activities	Examination methods	Percentage in subject assessment
practical training	oral credit, active participation	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Practice II: WUELS/HAU Institutes and Lab.

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI2BO.5e67a3ef3f521.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills Yes

Period Semester 2	**Examination** graded credit **Activities and hours** practical training: 90	**Number of ECTS points** 4.0

Goals

C1	Student knows the rules of performing design tasks using latest software solutions in the field of landscape architecture, and he is able to work in a design group of multiple tasks.
C2	Transfering knowledge in the fields of leading concepts development and technical projects of urban and village areas

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	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.	AK_P7S_WG05	project, presentation
Skills – Student can:			
U1	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.	AK_P7S_UW01	presentation
Social competences – Student is ready to:			
K1	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.	AK_P7S_KR07	project

Balance of ECTS points

Activity form	**Activity hours***	
practical training	90	
consultations	15	
class preparation	15	
Student workload	**Hours** 120	**ECTS** 4.0
Workload involving teacher	**Hours** 105	**ECTS** 4.0
Practical workload	**Hours** 90	**ECTS** 3.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	Practical works in the Computer Laboratory using graphic software such as: Vectorworks, 3ds Studio Max, AutoCAD. Practical design workshops in the Design Studio of the Institute of Landscape Architecture (WUELS)	practical training

Course advanced

Teaching methods:

brainstorming, presentation / demonstration, teamwork, computer lab/laboratory, discussion

Activities	Examination methods	Percentage in subject assessment
practical training	project, presentation	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Practice II: Complex field workshop

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI2BO.5e67a3ef4afab.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 2	graded credit **Activities and hours** practical training: 30	2.0

Goals

C1	To acquaint students with China with elements of European art (ie: urban architecture, painting, palaces, castles and gardens). Practical presentation of the characteristics of during trips in Wroclaw and surrounding areas. Finding decorative motifs from China.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	A student can recognize architectural details of a given historical style; can use small architecture in small towns and big cities;	AK_P7S_WG02	report, practical training report

W2	pays attention to the beauty of a city and its landscape.	AK_P7S_WK09	report, practical training report
Skills – Student can:			
U1	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 apprioprate styles;	AK_P7S_UW04	report, practical training report
U2	can locate architectural details for the sake of the needs of the disabled.	AK_P7S_UW04	report, practical training report
Social competences – Student is ready to:			
K1	A student can work in a team to "discover" interesting details and small architecture.	AK_P7S_KK02, AK_P7S_KO03	presentation

Balance of ECTS points

Activity form	**Activity hours***
practical training	30
report preparation	20
consultations	2
literature study	2

Student workload	**Hours** 54	**ECTS** 2.0
Workload involving teacher	**Hours** 32	**ECTS** 1.1
Practical workload	**Hours** 50	**ECTS** 2.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	Baroque gardens at Ostrów Tumski. Drawing of selected garden compositions and small architecture.Finding by students of references to Chinese art at the palaces of the eighteenth century Assumptions of modernism architecture on the example of WUWA facilities in Wrocław. A trip to the castle in Brzeg with the park surroundings. Contemporary housing architecture.	practical training

Course advanced

Teaching methods:

presentation / demonstration, lecture, practical simulation training, classes

Activities	Examination methods	Percentage in subject assessment
practical training	report, presentation, practical training report	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Diploma seminar II

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4AO.5db97cedda415.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** general subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	graded credit **Activities and hours** project classes: 15	1.0

Goals

C1	The main goal is to familiarize students with the principles of academic work, literature review and the specificity of scientific work.
C2	Another goal is to prepare the student to skilfully present his research.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Has detailed knowledge of selected issues concerning the management of natural and cultural environment and methods and techniques of study and analyses	AK_P7S_WG05	presentation, participation in discussion

Skills – Student can:			
U1	Applies methodological approach to solve research and project tasks and selects advanced techniques therein	AK_P7S_UW03	observation of student's work, presentation
Social competences – Student is ready to:			
K1	Understands the need to constantly supplement their knowledge and skills in the field of new technologies and solutions used in landscape architecture	AK_P7S_KK02	active participation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
project classes	15
presentation/report preparation	6
consultations	5
literature study	4

Student workload	**Hours** 30	**ECTS** 1.0
Workload involving teacher	**Hours** 20	**ECTS** 0.8
Practical workload	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	During seminar students review the literature related to their master's thesis, as well as perform presentations related to the analyses made and discuss examples of solutions. 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.	project classes

Course advanced

Teaching methods:

case analysis, brainstorming, foreign language (conversation classes), problem-solving method, presentation / demonstration, discussion

Activities	Examination methods	Percentage in subject assessment
project classes	observation of student’s work, active participation, presentation, participation in discussion	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

The construction and protection of Chinese history and cultural city landscape

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3edcc9d2.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	exam **Activities and hours** lecture: 30, project classes: 30	5.0

Goals

C1	Let students systematically and comprehensively understand philosophic concept, gardening thoughts, gardening arts and technology of the ancient Chinese landscape architecture through study.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Definition of historical and cultural landscape the types of Chinese historical and cultural landscape,	AK_P7S_WG01, AK_P7S_WG04, AK_P7S_WG07	written exam, oral exam, oral credit, participation in discussion

Skills – Student can:			
U1	Extraction of elements from historical and cultural landscape; Space modeling techniques and methods.	AK_P7S_UW05	written exam, oral exam, oral credit, participation in discussion
Social competences – Student is ready to:			
K1	Explanation and communication skills.	AK_P7S_KK01, AK_P7S_KO05	written exam, oral exam, oral credit, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	30
presentation/report preparation	20
class preparation	20
report preparation	20
consultations	20

Student workload	**Hours** 140	**ECTS** 5.0
Workload involving teacher	**Hours** 80	**ECTS** 3.0
Practical workload	**Hours** 50	**ECTS** 2.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	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	lecture

2.	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	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, participation in discussion	70.00%
project classes	written exam, oral exam	30.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

The construction, protectcion and recovery of rural landscape in China

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3edd7758.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	exam **Activities and hours** lecture: 30, project classes: 30	5.0

Goals

C1	Introduce theory and mothod of rural landscape planning and design.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Knows the principles of planning and designing the rural landscape in China, knowledge of styles and details, knowledge of the historical context.	AK_P7S_WG01, AK_P7S_WG02	oral exam, oral credit, observation of student's work, presentation, participation in discussion

Skills – Student can:			
U1	Drawing a plan and project, Using design tools.	AK_P7S_UW01, AK_P7S_UW03	oral exam, oral credit, observation of student's work, presentation, participation in discussion
Social competences – Student is ready to:			
K1	The student is ready to understand social needs, The student is ready to understand historical premises.	AK_P7S_KK01	oral exam, oral credit, observation of student's work, presentation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	30
lesson preparation	20
exam / credit preparation	30
report preparation	20
consultations	20

Student workload	**Hours** 150	**ECTS** 5.0
Workload involving teacher	**Hours** 80	**ECTS** 3.0
Practical workload	**Hours** 50	**ECTS** 2.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	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	lecture
2.	Know landscape type of China's village; master theory and method of rural landscape planning and design	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral exam, participation in discussion	50.00%
project classes	oral credit, observation of student’s work, presentation	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Chinese traditional landscape engineering and technology

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3ede236a.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	graded credit **Activities and hours** lecture: 30, project classes: 15	4.0

Goals

C1	Master the basic landscape engineering methods and principles in China.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	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.	AK_P7S_WG05, AK_P7S_WK09	oral credit, observation of student’s work, active participation, report, participation in discussion, case study

Skills – Student can:			
U1	The engineering knowledge about gallery frame and waterfall wall.	AK_P7S_UW04, AK_P7S_UW05	oral credit, observation of student’s work, active participation, report, participation in discussion, case study
Social competences – Student is ready to:			
K1	Explanation and communication skills.	AK_P7S_KK01, AK_P7S_KO05	oral credit, observation of student’s work, active participation, report, participation in discussion, case study

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	15
presentation/report preparation	20
exam / credit preparation	15
class preparation	10
lesson preparation	10
consultations	20

Student workload	**Hours** 120	**ECTS** 4.0
Workload involving teacher	**Hours** 65	**ECTS** 2.3
Practical workload	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	The Gallery Frame and waterfall wall analysis from construction drawing to completed . The whole procedure about do the rockery engineering and the big rockery in Yi He Jia Yuan. The construction site about Liuyang river's scenery.	lecture

2.	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.	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, observation of student’s work, active participation, participation in discussion	40.00%
project classes	oral credit, report, case study	60.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Theory and practice of socialism with Chinese Characteristics (China)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4HS.5e67a3ee050da.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	graded credit **Activities and hours** lecture: 30	2.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	no data available	AK_P7S_WG07	no data available
Skills – Student can:			
U1	no data available	AK_P7S_UK07	no data available
Social competences – Student is ready to:			

K1	no data available	AK_P7S_KK01	no data available

Balance of ECTS points

Activity form	**Activity hours***	
lecture	30	
literature study	30	
Student workload	**Hours** 60	**ECTS** 2.0
Workload involving teacher	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	no data available	lecture

Course advanced

Teaching methods:

no data available

Activities	**Examination methods**	**Percentage in subject assessment**
lecture	no data available	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Introductions of Natural Dialectics (China)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4HS.5e67a3ee0fb30.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	graded credit **Activities and hours** lecture: 30	2.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	no data available	AK_P7S_WG07	no data available
Skills – Student can:			
U1	no data available	AK_P7S_UK07	no data available
Social competences – Student is ready to:			

K1	no data available	AK_P7S_KK01	no data available

Balance of ECTS points

Activity form	**Activity hours***	
lecture	30	
literature study	30	
Student workload	**Hours** 60	**ECTS** 2.0
Workload involving teacher	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	no data available	lecture

Course advanced

Teaching methods:

no data available

Activities	**Examination methods**	**Percentage in subject assessment**
lecture	no data available	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

The Drawing techniques of Traditional Chinese painting

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3ee1c982.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 3	**Examination** graded credit **Activities and hours** lecture: 15, project classes: 30	**Number of ECTS points** 3.0

Goals

C1	Preliminary comprehending the fundamental techniques of Traditional Chinese painting.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Systematic study of performance techniques of landscape renderings . Technology-based in painting, art reproduction programs focused.	AK_P7S_WG02	oral credit, project, observation of student's work, presentation, participation in discussion

Skills – Student can:			
U1	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.	AK_P7S_UW03, AK_P7S_UW05	oral credit, project, observation of student’s work, presentation, participation in discussion
Social competences – Student is ready to:			
K1	Student is ready to constantly improve skills and cooperate with the recipients of the effects of his activities.	AK_P7S_KR07	oral credit, project, observation of student’s work, presentation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
presentation/report preparation	10
project preparation	15
consultations	20

Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 65	**ECTS** 2.3
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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.	lecture
2.	Classes topics (BLOKCS) Pens fast performance techniques; Perspective, painting brush and use of color. performance perspective renderings and performance the aerial map	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, observation of student’s work, presentation, participation in discussion	50.00%
project classes	project, observation of student’s work	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Integrated design

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3ee28210.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period Semester 3	**Examination** graded credit **Activities and hours** lecture: 15, project classes: 30	**Number of ECTS points** 3.0

Goals

C1	To understand the China classical garden space composition and organization form, through the production of traditional garden space use of the model, understand, and proficient in the actual project

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Traditional garden gardening techniques; Chinese traditional gardens space, complete the small traditional Chinese garden design.	AK_P7S_WG04, AK_P7S_WG07	oral credit, project, observation of student's work, presentation, participation in discussion

Skills – Student can:			
U1	Knows how to translate knowledge about tradition and culture into a design solution,	AK_P7S_UW01, AK_P7S_UW03	oral credit, project, observation of student's work, presentation, participation in discussion
Social competences – Student is ready to:			
K1	Student is ready to constantly improve skills and cooperate with the recipients of the effects of his activities, understanding cultural and historical differences.	AK_P7S_KR07	oral credit, project, observation of student's work, presentation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
project classes	30
project preparation	10
presentation/report preparation	10
exam / credit preparation	10
consultations	15

Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 60	**ECTS** 2.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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	lecture
2.	Classes topics (BLOKCS) Integrated design – case studies (different studies and situations)	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, observation of student’s work, presentation, participation in discussion	50.00%
project classes	project, observation of student’s work	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Social aspects of shaping urban landscape in China

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3ee3e420.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	exam **Activities and hours** lecture: 30, project classes: 30	5.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	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	AK_P7S_WG02, AK_P7S_WG06	oral credit, project, observation of student's work, active participation, presentation, participation in discussion
Skills – Student can:			
U1	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	AK_P7S_UW01, AK_P7S_UW03, AK_P7S_UW04, AK_P7S_UW05	oral credit, project, observation of student's work, active participation, presentation, participation in discussion
Social competences – Student is ready to:			
K1	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	AK_P7S_KO05	oral credit, project, observation of student's work, active participation, presentation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	30
presentation/report preparation	20
exam / credit preparation	20
project preparation	20
consultations	30

Student workload	**Hours** 150	**ECTS** 5.0
Workload involving teacher	**Hours** 90	**ECTS** 3.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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.	lecture
2.	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)	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, observation of student’s work, active participation, presentation, participation in discussion	50.00%
project classes	oral credit, project, observation of student’s work	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Chinese garden landscape

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.1586334599.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	exam **Activities and hours** lecture: 30, project classes: 30	5.0

Goals

C1	Students know the developing process of Chinese gardens and its landscape constitution and the basic types.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	know the developing process of Chinese gardens and its landscape constitution and the basic types	AK_P7S_WG02, AK_P7S_WG03	written exam
W2	know the natural and cultural background of forming the Chinese garden landscape.	AK_P7S_WG04, AK_P7S_WG06	written exam

W3	They understand the factors and construction method of all kinds of garden courtyard.	AK_P7S_WG02	written exam
Skills – Student can:			
U1	recognize the basic types of all kinds of Chinese courtyard.	AK_P7S_UW03, AK_P7S_UW04	presentation
U2	understand the hostorical and cultural factors	AK_P7S_UW03	presentation
Social competences – Student is ready to:			
K1	can work both individual and in teams using the available network applications	AK_P7S_KK02	presentation
K2	Student enhances communication skills via participation in the work of small group on the based specific discussions and design.	AK_P7S_KO03, AK_P7S_KR07	presentation

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	30
presentation/report preparation	20
exam participation	2
consultations	65
class preparation	3

Student workload	**Hours** 150	**ECTS** 5.0
Workload involving teacher	**Hours** 127	**ECTS** 5.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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 public places Lecture 13-14. Landscape construction method of Chinese courtyard Lectures 15. Resume and Repetitions	lecture
2.	1. Field exercise: Analyze and comment problem study cases. 2.Design exercise: Study cases: e.g. Rebuild the Yuelu Academy courtyard landscape. 3. Project presentation. Course completion and credit.	project classes

Course advanced

Teaching methods:

case analysis, problem-solving method, classes

Activities	Examination methods	Percentage in subject assessment
lecture	written exam	50.00%
project classes	presentation	50.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Urban green space system planning

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3ee695ac.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	exam **Activities and hours** lecture: 30, project classes: 30	5.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Student has knowledge of selected specific issues related to contemporary problems and trends in landscape architecture - management, programming, planning, landscape design.	AK_P7S_WG01, AK_P7S_WG05	oral credit, project, observation of student's work, active participation, participation in discussion

Skills – Student can:			
U1	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.	AK_P7S_UW01, AK_P7S_UW05	oral credit, project, observation of student's work, active participation, participation in discussion
U2	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.	AK_P7S_UW01, AK_P7S_UW05	oral credit, project, observation of student's work, active participation, participation in discussion
Social competences – Student is ready to:			
K1	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.	AK_P7S_KO03	oral credit, project, observation of student's work, active participation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	30
lesson preparation	10
exam / credit preparation	15
consultations	20
class preparation	20
presentation/report preparation	10

Student workload	**Hours** 135	**ECTS** 5.0
Workload involving teacher	**Hours** 80	**ECTS** 3.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	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	lecture
2.	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	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, observation of student’s work, active participation, participation in discussion	40.00%
project classes	oral credit, project, observation of student’s work, active participation	60.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Garden building and ornaments design

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI4BO.5e67a3ee753d6.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 3	exam **Activities and hours** lecture: 30, project classes: 30	5.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	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	AK_P7S_WG03, AK_P7S_WG05	oral credit, project, observation of student's work, active participation, report, presentation, participation in discussion
Skills – Student can:			
U1	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.	AK_P7S_UW01, AK_P7S_UW05	oral credit, project, observation of student's work, active participation, report, presentation, participation in discussion
Social competences – Student is ready to:			
K1	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.	AK_P7S_KO05, AK_P7S_KR07	oral credit, project, observation of student's work, active participation, report, presentation, participation in discussion

Balance of ECTS points

Activity form	**Activity hours***
lecture	30
project classes	30
presentation/report preparation	20
exam / credit preparation	10
consultations	20
class preparation	10
project preparation	30

Student workload	**Hours** 150	**ECTS** 5.0
Workload involving teacher	**Hours** 80	**ECTS** 3.0
Practical workload	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	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	lecture
2.	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.	project classes

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	oral credit, observation of student’s work, presentation, participation in discussion	40.00%
project classes	oral credit, project, observation of student’s work, active participation, report	60.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Diploma seminar III

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8AO.5db97cee15d5f.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** general subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 4	graded credit **Activities and hours** project classes: 15	1.0

Goals

C1	The subject introduces the student in issues of professional presentation of each topic.
C2	The premise is to teach and train the way the visual presentation with regard to two aspects. The first are technical possibilities, i.e. the use of appropriate computer programs in appropriate, readable to the recipient. The second is to restrict or rid themselves of stress by presenter through the mastery of presented issue and appropriate behavior relative to the audience.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	Knows profoundly the role of a landscape architect in shaping a sustainable and resilient environment	AK_P7S_WG05	presentation, participation in discussion
Skills – Student can:			
U1	Is able to creatively analyze collected data, draw appropriate conclusions and creatively apply them in solving research and design problems	AK_P7S_UW01	observation of student's work, presentation, participation in discussion
Social competences – Student is ready to:			
K1	Is able to undertake tasks of higher complexity level involving collaboration with representatives of other professions	AK_P7S_KO03	active participation

Balance of ECTS points

Activity form	**Activity hours***
project classes	15
presentation/report preparation	6
consultations on diploma paper	4
preparation of diploma paper	5

Student workload	**Hours** 30	**ECTS** 1.0
Workload involving teacher	**Hours** 19	**ECTS** 0.7
Practical workload	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	Master's thesis: contents, introduction, development of topic of issues, discussion, conclusions, summary. Presentation (1,2) of the individual issues of the master's topics. The current state of progress of the individual master's thesis. 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	project classes

Course advanced

Teaching methods:

case analysis, brainstorming, foreign language (conversation classes), problem-solving method, presentation / demonstration, discussion

Activities	Examination methods	Percentage in subject assessment
project classes	observation of student’s work, active participation, presentation, participation in discussion	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Dendroflora in urban space (e-learning)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8BO.5e67a3ee9ea6f.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** Yes
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 4	graded credit **Activities and hours** e-learning lecture: 30	3.0

Goals

C1	To acquaint students with the meaning and principles of assessment and shaping dendroflora in urban areas

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Skills – Student can:			
U1	assess the greenery in the context of health condition and composition and present the principles of its formation in urban areas	AK_P7S_UW05, AK_P7S_UW06	oral credit
Social competences – Student is ready to:			

K1	carrying out various types of studies regarding greenery in urban areas	AK_P7S_KR06	oral credit

Balance of ECTS points

Activity form	Activity hours*	
e-learning lecture	30	
class preparation	60	
Student workload	**Hours** 90	**ECTS** 3.0
Workload involving teacher	**Hours** 30	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	Woody plants morphology Dendrological inventory The rules of shaping the greenery along the roads – standards of planning and designing Landscape evaluation methods for spatial planning and urban design Greenery as an element of urban composition Greenery as a part of urban structure	e-learning lecture

Course advanced

Teaching methods:

lecture

Activities	Examination methods	Percentage in subject assessment
e-learning lecture	oral credit	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Planting arrangement in the landscape (e-learning)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8BO.5e67a3eea9bab.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 4	graded credit **Activities and hours** e-learning lecture: 45	4.0

Goals

C1	The aim of this course is to give students historical and latest knowledge and required skills to effective design of plant arrangement in the Chinese classical garden
C2	The aim of this course is to encourage individual and teams work of students using network applications.
C3	To develop an understanding of the professional responsibility in society in the context of the complexity of aesthetic, societal, ecological, ethical, and economic issues related to sustainable landscape plant utilization.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			

W1	Student knows plant arrangement history of two landscape systems	AK_P7S_WG01, AK_P7S_WG06	test
W2	Student knows and understands fundamental principles of plant arrangement: ecological, aesthetic, societal.	AK_P7S_WG06	test
W3	Student knows features and methods of plant arrangement of Chinese classical garden.	AK_P7S_WG02	test
Skills – Student can:			
U1	Student chooses plant material based on desired form, scale, texture, and color appropriate to the design problem	AK_P7S_UW04	project, report
U2	Student uses plant material appropriate to the environmental/site context, function and aesthetic requirements.	AK_P7S_UW04	project, report
U3	Student creates a planting design based on the principles of composition, environmental factors, and program elements	AK_P7S_UW04	project, report
U4	Students can work both individual and in teams using the available network applications	AK_P7S_UO08	project, report
Social competences – Student is ready to:			
K1	Student can interact with other participants in the planning and decision process, student can identify and prioritize priorities and decision criteria. He/she understands the need for creative and variant solutions.	AK_P7S_KO03	project
K2	Social responsibility—built an awareness of the complexity of aesthetic, societal, ecological, ethical, and economic issues related to sustainable landscape plant utilization	AK_P7S_KO04, AK_P7S_KR06	project
K3	Student enhances communication skills via participation in the work of small group on the based specific discussions and design	AK_P7S_KK02	project

Balance of ECTS points

Activity form	**Activity hours***
e-learning lecture	45
project preparation	30
report preparation	20
consultations	10
exam / credit preparation	15

Student workload	**Hours**	**ECTS**
	120	4.0

Workload involving teacher	**Hours** 55	**ECTS** 2.0
Practical workload	**Hours** 20	**ECTS** 0.8

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	Planting arrangement in the landscape is an e-learning course on the Moodle platform. The course includes four modules for individual work divided into thematic blocks: Module 1: History of plant arrangement Module 2: Concepts and principles of plant arrangement Module 3: Plant landscape in Chinese classical garden Module 4: Process and practice of plant arrangement The history and fundamental principles of plant arrangement; the characteristics of planting landscape in Chinese classical garden; Design process; Design practice.	e-learning lecture

Course advanced

Teaching methods:

brainstorming, project-based learning (PBL), teamwork

Activities	Examination methods	Percentage in subject assessment
e-learning lecture	project, report, test	100.00%

Entry requirements

1. Training in the use of e-learning platform
2. Basic knowledge of plants: plant recognition, ecological habits, ornamental characteristic, etc.
3. The history and the theory of Chinese landscape architecture

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Diploma thesis and exams

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8BO.5e67a3eeb502f.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** mandatory
Study form Full-time	**Block** major subjects (conducted) in foreign languages
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 4	exam **Activities and hours** test assignments and project assignments: 10	20.0

Goals

C1	Independent solution of the problem, using various scientific methods, including statistical analyzes and field studies. Demonstrate the ability to collect and analyze the literature on the subject. Developing a critical research approach.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	how to formulate a research hypothesis and what methods and tools to use to verify it.	AK_P7S_WK11	oral exam, diploma paper, reviews

W2	the basic concepts and principles of copyright, can relate them to the activities of the landscape architect	AK_P7S_WK10	oral exam, diploma paper, reviews
Skills – Student can:			
U1	He can formulate a research problem and indicate methods, techniques and tools to solve this problem	AK_P7S_UW01, AK_P7S_UW03, AK_P7S_UW04, AK_P7S_UW05, AK_P7S_UW06	oral exam, diploma paper, reviews
U2	Student is prepared to train and update acquired knowledge	AK_P7S_UU09	oral exam, diploma paper, reviews
U3	He can prepare a presentation in Polish and present it on the diploma exam. Is able to prepare a summary of the diploma thesis in English, containing the most important information.	AK_P7S_UK07	oral exam, diploma paper
Social competences – Student is ready to:			
K1	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	AK_P7S_KK01, AK_P7S_KO04	diploma paper

Balance of ECTS points

Activity form	**Activity hours***
test assignments and project assignments	10
exam / credit preparation	20
presentation/report preparation	60
consultations on diploma paper	200
preparation of diploma paper	80
collecting and studying literature	100
conducting research	90
consultations	40

Student workload	**Hours** 600	**ECTS** 20.0
Workload involving teacher	**Hours** 250	**ECTS** 10.0
Practical workload	**Hours** 90	**ECTS** 3.0

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	Block 1. Consultation withe the tutor and the final seletion theme, scope, concept of the theses. Block 2. Choice of method, tools and techniques. Block 3. Collecion and analysis of materials. Block 4. Preparation the diploma theses (concept, design, illustations, posters). Block 5. Editing the text, correcions and final edition the diloma theses. Block 6. Final diploma exams and presentation.	test assignments and project assignments

Course advanced

Teaching methods:

case analysis, text analysis, problem-solving method, presentation / demonstration, discussion

Activities	Examination methods	Percentage in subject assessment
test assignments and project assignments	oral exam, diploma paper, reviews	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Introduction to Polish culture (Poland/China)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8HS.5e67a3eecb731.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills Yes

Period	**Examination**	**Number of ECTS points**
Semester 4	graded credit **Activities and hours** e-learning lecture: 15	2.0

Goals

C1	The course deals with the history, culture and customs of Poland to help the student become a good ambassador of Poland and its heritage.
C2	It aims at discussing phenomena occurring in the modern world like postmodern culture, fluid reality, globalization, fast culture, artificial intelligence in respect to the mentality and everyday life of the Polish society.
C3	The course also helps the participants to become understanding, tolerant as well as broad-minded and creative members of the society.
C4	Open-mindedness and creativity enable societies to cope with a variety of problems, not only social and political ones, on the win-win basis.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	The student understands and can talk about Poland, has knowledge on the history of Lower Silesia and Wrocław. He has broader knowledge on modern society and the changes it is undergoing.	AK_P7S_WG06	written credit
W2	The student is able to understand and participate in discussions and lectures related to his academic environment, can comprehensively read complex texts on general and popular science topics related to his field of study and interests.	AK_P7S_WG07	written credit
Skills – Student can:			
U1	The student can talk about Poland using historical and cultural issues thus creating the picture of Poland, can prepare presentations.	AK_P7S_UK07, AK_P7S_UW04	report
U2	The student can discuss problem issues in a civilised way without being hostile.	AK_P7S_UO08	report
Social competences – Student is ready to:			
K1	The student is ready to actively participate in social life of his area, is concerned about the environment and society, is reliable and self-confident in performing his duties. He is also eager to learn and is open to experience and new requirements.	AK_P7S_KK01, AK_P7S_KR06	report

Balance of ECTS points

Activity form	Activity hours*	
e-learning lecture	15	
collecting and studying literature	31	
consultations	4	
Student workload	**Hours** 50	**ECTS** 2.0
Workload involving teacher	**Hours** 19	**ECTS** 0.7

* hour means 45 minutes

Study content

No.	Course content	Activities

1.	Lecture 1. The beginnings of Poland. Lecture 2. The history of Poland. Lecture 3. The history of Wrocław and Lower Silesia. Part 1 Lecture 4. The history of Wrocław and Lower Silesia. Part 2 Lecture 5. Identity. Traditions and customs of the Polish nation. Lecture 6. the influence of post-modern culture on the third-wave societies. Lecture 7. New technologies and everyday life of the Polish society.	e-learning lecture

Course advanced

Teaching methods:

presentation / demonstration, teamwork, lecture

Activities	Examination methods	Percentage in subject assessment
e-learning lecture	written credit, report	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Introduction to China cuture (Poland/China)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8HS.5e67a3eed6ad2.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 4	**Examination** graded credit **Activities and hours** lecture: 15	**Number of ECTS points** 2.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Historical and cultural landscape; the types of Chinese historical and cultural landscape,	AK_P7S_WG02, AK_P7S_WG07	observation of student's work, active participation, case study, practical training report
Skills – Student can:			

U1	Extraction of elements from historical and cultural landscape; Space modeling techniques and methods, ability to interpret traditional assumptions for modern needs	AK_P7S_UW01, AK_P7S_UW03	observation of student's work, active participation, case study, practical training report
Social competences – Student is ready to:			
K1	Explanation and communication skills with business partners, ability to interpret traditional assumptions for modern needs	AK_P7S_KO05	observation of student's work, active participation, case study, practical training report

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
presentation/report preparation	15
project preparation	20
consultations	10

Student workload	**Hours** 60	**ECTS** 2.0
Workload involving teacher	**Hours** 25	**ECTS** 1.0

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**
1.	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	lecture

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	observation of student’s work, active participation, case study, practical training report	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Comprehensive abilities to landscape architecture (Poland/China)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8HS.5e67a3eee1cce.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period Semester 4	**Examination** graded credit **Activities and hours** lecture: 15	**Number of ECTS points** 2.0

Goals

C1	Protection and construction of Chinese historical and cultural landscape

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	Definition of historical and cultural landscape. The types of Chinese historical and cultural landscape	AK_P7S_WG06	observation of student's work, presentation, participation in discussion, case study
Skills – Student can:			

U1	Extraction of elements from historical and cultural landscape. Space modeling techniques and methods	AK_P7S_UW03	observation of student's work, presentation, participation in discussion, case study
Social competences – Student is ready to:			
K1	Visit and investigation. Explanation and communication skills	AK_P7S_KO05, AK_P7S_KR07	observation of student's work, presentation, participation in discussion, case study

Balance of ECTS points

Activity form	**Activity hours***
lecture	15
presentation/report preparation	15
consultations	20
literature study	10

Student workload	**Hours** 60	**ECTS** 2.0
Workload involving teacher	**Hours** 35	**ECTS** 1.2

* hour means 45 minutes

Study content

No.	**Course content**	**Activities**

1.	Titles of lectures: 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 Titles of classes: 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	lecture

Course advanced

Teaching methods:

lecture, classes

Activities	Examination methods	Percentage in subject assessment
lecture	observation of student’s work, presentation, participation in discussion, case study	100.00%

UNIWERSYTET PRZYRODNICZY WE WROCŁAWIU

Tea culture and rituals (Poland/China)

Educational subject description sheet

Basic information

Field of study Landscape Architecture	**Education cycle** 2021/22
Speciality -	**Subject code** WIKSiGIALS.MI8HS.5e67a3eeed84a.21
Department The Faculty of Environmental Engineering and Geodesy	**Lecture languages** English
Study level Second-cycle (engineer) programme	**Mandatory** optional
Study form Full-time	**Block** humanities and social sciences
Education profile General academic	**Subject related to scientific research** No
	Subject shaping practical skills No

Period	**Examination**	**Number of ECTS points**
Semester 4	graded credit **Activities and hours** lecture: 15	2.0

Goals

C1	no data available

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	no data available	AK_P7S_WG07	no data available
Skills – Student can:			
U1	no data available	AK_P7S_UK07	no data available
Social competences – Student is ready to:			

K1	no data available	AK_P7S_KK01	no data available

Balance of ECTS points

Activity form	Activity hours*	
lecture	15	
literature study	20	
presentation/report preparation	20	
Student workload	**Hours** 55	**ECTS** 2.0
Workload involving teacher	**Hours** 15	**ECTS** 0.6

* hour means 45 minutes

Study content

No.	Course content	Activities
1.	no data available	lecture

Course advanced

Teaching methods:

no data available

Activities	Examination methods	Percentage in subject assessment
lecture	no data available	100.00%