**SYLLABUS TO THE SUBJECT/SYLABUS DO PRZEDMIOTU**

|  |  |
| --- | --- |
| Item name in Polish/ Nazwa przedmiotu po PolskuItem Name in English/ Nazwa przedmiotu po Angielsku | **Urban ecology** |
| Direction/Kierunek | Management |
| Form of study/Forma studiów | Stationary |
| Level of education/Poziom kształcenia | Second degree |
| Year/Rok | 2 |
| Semester/Semestr | 4 |
| Guide unit/Jednostka prowadząca | Department of Management and Entrepreneurship |
| Drafter/Osoba sporządzająca  | Anna Zelga-Szmidla, PhD |
| Profile/Profil  | General Academic |
| Number of ECTS credits/Liczba punktów ECTS | 2 |

**TYPE OF CLASSES - NUMBER OF HOURS PER SEMESTER/RODZAJ ZAJĘĆ – LICZBA GODZIN W SEMESTRZE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Lecture/Wykład | Exercise/Ćwiczenia | Laboratory/Laboratorium | Project/Projekt | Seminar/Seminarium |
| **15** | **15** |  |  |  |

**COURSE DESCRIPTION/OPIS PRZEDMIOTU**

**PURPOSE OF THE COURSE/CEL PRZEDMIOTU**

**C1.** Understanding the structure and relationships between individual biotic and abiotic elements of urban environments.

**C2.** Getting to know the importance of an ecological city in the management of a modern unit.

**PREREQUISITES FOR KNOWLEDGE, SKILLS AND OTHER COMPETENCIES/WYMAGANIA WSTĘPNE W ZAKRESIE WIEDZY, UMIEJĘTNOŚCI I INNYCH KOMPETENCJI**

**1.** The student has knowledge of the basics of ecology and sustainable development of the city.

**2.** The student has knowledge of managing a local government unit.

**3.** The student has knowledge of the competitiveness of cities in the field of urban ecology management.

**LEARNING OUTCOMES/EFEKTY UCZENIA SIĘ**

**EU 1** – The student knows the basics of ecology and environmental protection and their connection with management sciences.

**EU 2** – The student is able to use theoretical knowledge of the importance of managing the ecology of the city.

**EU 3 –** The student is able to characterize the possibilities of introducing ecological solutions in cities.

**PROGRAM CONTENT/ TREŚCI PROGRAMOWE**

|  |  |
| --- | --- |
| **Form of classes/Forma zajęć –LECTURE/ WYKŁADY** | **Number of hours/Ilość godzin** |
| **W 1,2Introduction** to the subject of urban ecosystems, biotic and abiotic elements of urbanized ecosystems | **3** |
| **W 3,4** The city as an ecological system | **2** |
| **W 5,6** Biodiversity in cities  | **2** |
| **W 7,8** Ecological City Management | **2** |
| **W 9,10Greenery in cities as a place to live** and work | **2** |
| **In 11** Green cities in Poland | **1** |
| **In 12** Green Cities In The World | **1** |
| **In 13** Cities of the future with the use of various ecological solutions | **1** |
| **Num 14** Sustainable management in cities | **1** |
| **Um 15** Ecological projects in cities | **1** |
| **Form of classes/Forma zajęć – EXERCISES/ĆWICZENIA** | **Number of hours/Ilość godzin** |
| **CW 1,2** Introduction to the subject of the principles of work and preparation for exercises. Urban ecosystem. | **2** |
| **CW 3.4** Fundamentals of ecology and environmental management with a focus on the city | **2** |
| **CW 5.6** Ecological alternatives implemented in cities  | **2** |
| **CW 7.8** Assessment of the biodiversity of the city on the example of student analysis field classes | **2** |
| **CW 9.10** Designing a new district with the use of ecological solutions | **2** |
| **CW 11,12**  Modernization of the housing estate with the use of ecological solutions | **2** |
| **CW 13,14** Overview of the most interesting ecological solutions in cities in Poland and around the world | **2** |
| **CW 15** Colloquium | **1** |

**DIDACTIC TOOLS/NARZĘDZIA DYDAKTYCZNE**

1. Manuals and scripts
2. Audiovisual equipment
3. Program Word, Excel, Power Point
4. Internet
5. Chalk and chalk

**METHODS OF ASSESSMENT (F- FORMATIVE, P - SUMMATIVE)/SPOSOBY OCENY ( F – FORMUJĄCA, P – PODSUMOWUJĄCA)**

**F1.** Participation in a discussion

**F2.** Completion of a project

**P1**. Written exam

**STUDENT WORKLOAD/OBCIĄŻENIE PRACĄ STUDENTA**

|  |  |
| --- | --- |
| **Form of activity/Forma aktywności** | **Average hours to complete an activity/Średnia liczba godzin na zrealizowanie aktywności**  |
| **[h]** | **ECTS** |
| Contact hours with the teacher (lecture, exercise)/Godziny kontaktowe kontaktowe z nauczycielem (wykłady, ćwiczenia) | 30 | 1,10 |
| Preparing for the laboratory/Przygotowanie do laboratoriów | 10 | 0,36 |
| Preparing to the exam/ Przygotowanie do egzaminu |  |  |
| Reading the indicated literature/Zapoznanie się ze wskazaną literaturą | 5 | 0,18 |
| Consultations**/**Konsultacje |  |  |
| Attendance at exam/Obecność na egzaminie | **5** | **0,18** |
| **TOTAL NUMBER OF ECTS POINTS FOR ITEM/SUMARYCZNA LICZBA PUNKTÓW ECTS****DLA PRZEDMIOTU** | **50** | **2** |

**BASIC AND SUPPLEMENTARY LITERATURE/LITERATURA PODSTAWOWA I UZUPEŁNIAJĄCA**

**Basic Literature/Literatura podstawowa:**

1. H. Zimny, Ecology of the City, ARW A. Grzegorczyk, 2005 Warsaw

2. D. Trzcińska, J. S. Kierzkowska, Ecological safety in the implementation of public tasks, Difin 2020.

3. National Environmental Policy 2030 - development strategy in the area of environment and water management, Ministry of Climate and Environment, 2019

**Supplementary Literature/Literatura uzupełniająca:**

1. Z. Paszkowski, The Ideal City in the European Perspective and Its Relations with Contemporary Urban Planning, Kraków 2011

2. K. Kowalska, P. Nowak (eds.), Ecological safety, Kraków 2019

3. A. Zelga-Szmidla, Green IT in a Family Businesses in the Food Industry, Madryt IBIMA 2019

4. A. Zelga-Szmidla, Environmental management in municipalities threatened by smog in southern Polish, Waleńczów 2018

**INSTRUCTOR OF THE COURSE (NAME, SURNAME, E-MAIL ADDRESS)/PROWADZĄCY ZAJĘCIA (IMIĘ, NAZWISKO, ADRES E-MAIL)**

Anna Zelga-Szmidla, PhD a.zelga-szmidla@pcz.pl

Agata Kielesińska, PhD a.kielesińska@pcz.pl

**MATRIX OF THE IMPLEMENTATION OF LEARNING OUTCOMES/MACIERZ REALIZACJI EFEKTÓW UCZENIA SIĘ**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Learning Outcome/Efekt uczenia się** | **Reference an effect to program-wide defined effects/ Odniesienie danego efektu do efektów zdefiniowanych                dla całego programu**  | **Course objectives/Cele przedmiotu** | **Curriculum content/Treści programowe** | **Teaching tools/Narzędzia dydaktyczne** | **Method of evaluation/Sposób oceny** |
| **EU 1** | K\_W01, K\_W02, K\_U01, K\_K02, | Ćw2,13 | W2,3 | 1,4,5 | F1P1 |
| **EU 2** | K\_W01, K\_W02, K\_W09, K\_W10, K\_U01, K\_K02 | Ćw3,4,5,10 | W4,5,6,13 | 1,2,3,4,5 | F1F2P1 |
| **EU 3** | K\_W01, K\_W02, K\_W09, K\_W10, K\_U01, K\_K02 | Ćw6,7,8,12,14 | W7,8,10,12 | 1,2,3,4,5 | F1F2P1 |

**FORM OF ASSESSMENT - DETAILS/FORMY OCENY – SZCZEGÓŁY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Per grade 2/****Na ocenę 2**  | **Per grade 3/****Na ocenę 3**  | **Per grade 4/****Na ocenę 4**  | **Per grade 5/** **Na ocenę 5**  |
| **Effect 1/ Efekt 1** | The student is able to present the basics of ecology and environmental protection and their connections with management sciences. | The student is able to present the basics of ecology and environmental protection and their connections with management sciences. | The student is able to present the basics of ecology and environmental protection, their connections with management sciences. He can give an example. | The student is able to present the basics of ecology and environmental protection, their connections with management sciences. He can give examples and compare them. |
| **Effect 2/****Efekt 2** | The student is not able to use theoretical knowledge of the importance of urban ecology management. | The student is able to use theoretical knowledge of the importance of managing the ecology of the city. | The student is able to use theoretical knowledge of the importance of managing the ecology of the city, can list them. | The student is able to use theoretical knowledge of the importance of managing the ecology of the city, can list and characterize them. |
| **Effect 3/****Efekt 3** | The student is unable to characterize the possibility of introducing ecological solutions. | The student is able to characterize the possibilities of introducing ecological solutions in cities.  | The student is able to characterize the possibilities of introducing ecological solutions in cities, gives examples. | The student is able to characterize the possibilities of introducing ecological solutions in cities, gives examples and explains the functioning. |

\*A 3.5 half grade is awarded in the case of full credit for the learning outcomes with a 3.0 grade, but the student has not fully absorbed the learning for a 4.0 grade. A half-grade of 4.5 is awarded in the case of full credit for the learning outcomes with a 4.0 grade, but the student has not fully assimilated  the learning outcomes for a grade of 5.0./ \*Ocena połówkowa 3.5 jest wystawiana w przypadku pełnego zaliczenia efektów uczenia się na ocenę 3.0, ale student nie przyswoił w pełni uczenia się na ocenę 4.0. Ocena połówkowa 4.5 jest wystawiana w przypadku pełnego zaliczenia efektów uczenia się na ocenę 4.0, ale student nie przyswoił w pełni efektów uczenia się na ocenę 5.0.

**OTHER USEFUL INFORMAION ABOUT THE ITEM/INNE PRZYDATNE INFORMACJE O PRZEDMIOCIE**

Information where you can read presentations for classes, etc. - Information is provided during the first class and sent electronically to the addresses of individual dean’s groups./ Informacje, gdzie można zapoznać się z prezentacjami na zajęcia itp. - Informacje udzielane są podczas pierwszych zajęć i przesyłane drogą elektroniczną na adresy poszczególnych grup dziekańskich

Information on the place of classes - Information can be found on the website of the Faculty of Management and in the USOS system./ Informacja o miejscu zajęć – Informacje znajdują się na stronie internetowej Wydziału Zarządzania oraz w systemie USOS.

Information on the date of classes (day of the week/time) - Information can be found on the website of the Faculty of Management and in the USOS system./ Informacja o terminie zajęć (dzień tygodnia/godzina) – Informacje znajdują się na stronie internetowej Wydziału Zarządzania oraz w systemie USOS

Information about consultations (hours + place) - Information is given during the first classes, it is also available on the website of the Faculty of Management./ Informacje na temat  godzin i miejsca konsultacji znajdują się na stronie internetowej Wydziału Zarządzania oraz podawane są na pierwszych zajęciach ze studentami.