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

|  |  |
| --- | --- |
| Item Name/Nazwa przedmiotu | **Eco-management systems** |
| Direction/Kierunek | Management |
| Form of study/Forma studiów | Stationary |
| Level of education/Poziom kształcenia | Second degree |
| Year/Rok | 2 |
| Semester/Semestr | IV |
| Guide unit/Jednostka prowadząca | Department of Management and Entrepreneurship |
| Drafter/Osoba sporządzająca | Agata Kielesińska |
| 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**

C.1.Presenting the basic principles of EMAS and ISO 14001 environmental management systems in the enterprise

C.2.Getting to know the paradigm of sustainable development in the enterprise C.3.Developing skills in implementing eco-innovations as a method of lean management in the enterprise

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

1. The student has general knowledge of the basics of management

2. The student has general knowledge of issues related to environmental management and eco-innovation in the enterprise

3. The student is able to use computer operating programs and use databases on the Internet at a basic level

**LEARNING OUTCOMES/EFEKTY UCZENIA SIĘ**

**EU 1.** The student identifies the basic aspects of the implementation of environmental management systems in an enterprise

**EU 2.** The student has a highly developed awareness of the importance of sustainable development and its impact on contemporary management

**EU 3.** The student is able to characterize the fundamentals of eco-innovation, frugal innovation and lean management

**EU 4**. The student knows the instruments and legal and organizational conditions for the implementation of eco-management systems in the enterprise

**PROGRAM CONTENT/ TREŚCI PROGRAMOWE**

|  |  |
| --- | --- |
| **Form of classes/Forma zajęć –LECTURE/ WYKŁADY** | **Number of hours/Ilość godzin** |
| **W1**- Discussion of the rules for passing the subject. Introductory concepts in the field of eco-management systems | **1** |
| **W2-W3** Contemporary management in the light of the paradigm of sustainable development | **2** |
| **W4-W5** Instruments and legal and organizational conditions for the implementation of environmental management systems | **2** |
| **W6-** Characteristics of eco-innovation and frugal innovation | **1** |
| **W7**- Contemporary concepts and methods of enterprise management based on lean management | **1** |
| **W8-** Development and basic principles of Environmental Management Systems | **1** |
| **W9-** Benefits of implementing eco-management systems into the organization | **1** |
| **W10-** Barriers that occur during the implementation of eco-management systems | **1** |
| **W11-** Certification of environmental management system according to ISO 14000 | **1** |
| **W12-W13** Eco-management system and EMAS environmental system audit | **2** |
| **W14-** Eco-certification of environmental management systems in a company | **1** |
| **W15-** Passing lectures | **1** |
| **Form of classes/Forma zajęć – EXERCISES/ĆWICZENIA** | **Number of hours/Ilość godzin** |
| **C1-** Introduction to the subject, presentation of issues, discussion of the criteria for passing the subject | **1** |
| **C2- C3** Environmental management systems: formal conditions, principles of operation, benefits and barriers to operation | **2** |
| **C4 -C5** Examples of selected organizations that have implemented ISO 14001. Analysis of the next stages of implementation | **2** |
| **C6-C7** Analysis of selected organizations with implemented EMAS. Analysis of the stages of implementation | **2** |
| **C8-C9.** Environmental policy of the enterprise. Identification of environmental aspects of the enterprise. | **2** |
| **C10-C11** Eco-innovation as a factor in enterprise development | **2** |
| **C12-C13** Analysis of the effects of the implementation of environmental management systems in relation to sustainable development | **2** |
| **C14.** Summary of practical classes. | **1** |
| **C15** Final Test | **1** |

**DIDACTIC TOOLS/NARZĘDZIA DYDAKTYCZNE**

1. Audiovisual equipment

2. Blackboard, chalk, markers

3. Częstochowa University of Technology e-learning platform

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

F1. Activity and tasks to be solved during classes

P1. Final test from practical classes

P2 Grading the lecture in the form of a test

**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 | 1,2 |
| Preparing for the laboratory/Przygotowanie do laboratoriów | 10 | 0,4 |
| Preparing to the exam/ Przygotowanie do egzaminu | - | - |
| Reading the indicated literature/Zapoznanie się ze wskazaną literaturą | 5 | 0,2 |
| Consultations**/**Konsultacje |  |  |
| Attendance at exam/Obecność na egzaminie | 5 | 0,2 |
| **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. Kielesińska A., Determinants of Innovation as Decisive Factors in Regional Management, Wyd. International Business Information Management Association, Kordoba, Hiszpania, 2021

2. Markiewicz J., Bielawa A., Tylżanowski R., Oszczędne innowacje we współczesnym przedsiębiorstwie, Wyd. Naukowe Uniwersytetu Szczecińskiego, 2020

3. Pacana A., Zarządzanie środowiskowe zgodne z ISO 14001:2015, Wyd. Politechnika Rzeszowska, 2018

**Supplementary Literature/Literatura uzupełniająca:**

1. Matuszak-Flejszman A., Systemy ekozarządzania i audytu (EMAS) w organizacji, Wyd. UFP, Poznań , 2019

2. Bartoszczuk P., Ekoinnowacje w polskich przedsiębiorstwach, European Journal of Management and Social Science, Tom 1 Nr 1, 2020

3. Ministerstwo Klimatu i Środowiska, Zrównoważony Rozwój, polska do 2040 , Warszawa

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

Agata Kielesińska [agata.kielesinska@pcz.pl](mailto:agata.kielesinska@pcz.pl)

Katarzyna Olejniczak-Szuster [k.olejniczak-szuster@pcz.pl](mailto:k.olejniczak-szuster@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\_W02, K\_W03, K\_U07, K\_K03, K\_K05, | C1-C3 | W4-W5, W8-W10, C6-C7, C10-C11 | 1-3 | F1, P1, P2 |
| **EU**2 | K\_W02, K\_W03,K\_U10 , K\_K03, K\_K05, | C1-C3 | W6, W8, W11-W14, C4-C5, C8- C9, C12-C13 | 1-3 | F1, P1, P2 |
| **EU**3 | K\_W02, K\_W03, K\_U07, K\_U10,K\_K03, K\_K05, | C1-C3 | W7-W15, C1-C13 | 1-3 | F1, P1, P2 |
| **EU**4 | K\_W05,K\_K03, K\_U03, K\_K05 | C1-C3 | W4-W5, W11-W13, W15, C6-C7, C12-C14 | 1-3 | F1, P1, P2 |

**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 does not identify the basic aspects of implementing environmental management systems in the enterprise | The student is able to identify only some basic aspects of the implementation of environmental management systems in the enterprise | The student is able to determine and identify the basic aspects of the implementation of environmental management systems in the enterprise | The student identifies the basic aspects of the implementation of environmental management systems in the enterprise. He/she is able to give examples. |
| **Effect 2/ Efekt 2** | The student does not have a highly developed awareness of the essence of sustainable development and its impact on contemporary management | The student has only a partially developed awareness of the nature of sustainable development and its impact on contemporary management | The student has a developed awareness of the nature of sustainable development and its impact on contemporary management | The student has a highly developed awareness of the essence of sustainable development and its impact on modern management.  He is able to give examples. |
| **Effect 3/ Efekt 3** | The student is unable to characterize the basics of implementing eco-innovation, frugal innovation and lean management in an enterprise | The student has incomplete theoretical knowledge of the basics of eco-innovation implementation, frugal innovation and lean management in the enterprise | The student has theoretical knowledge of the basics of implementing eco-innovation, frugal innovation and lean management in the enterprise | The student is able to use theoretical knowledge and characterize the basis for the implementation of eco-innovation, frugal innovation and lean management in the enterprise. He is able to give examples. |
| **Effect 4/ Efekt 4** | Student does not know the instruments and legal and organizational conditions for the implementation of eco-management systems in the enterprise | Student is able to list only some of the instruments and legal conditions for the implementation of eco-management systems in the enterprise | The student knows most of the instruments and legal and organizational conditions for the implementation of eco-management systems in the enterprise | The student knows the instruments and legal and organizational conditions for the implementation of eco-management systems in the enterprise |

\*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.