#### card of course

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| Subject name | Occupational health and safety, and ergonomics |

1. The placement of the subject in the study system

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| --- | --- |
| 1.1. Field of study | Computer science |
| 1.2. Form and path of study | Full-time/Part-time |
| 1.3. Level of education | First-cycle studies |
| 1.4. Study profile | Practical |

|  |  |
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| 1.5. Specialty | - |
| 1.6. Subject Coordinator | Dr inż. arch. Katarzyna Szmygin-Wirski |

2. General characteristics of the subject

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| --- | --- |
| 2.1. Belonging to a subject group | university-wide |
| 2.2. Number of ECTS | 1 |
| 2.3. Language of lectures | English |
| 2.4. Semesters in which the subject is taught | I |
| 2.5.Criteria for selecting course participants | - |

1. Learning outcomes and course delivery
   1. Subject Objectives

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| --- | --- |
| No. | Subject Objectives |
|
| C1 | Equipping students with knowledge in the field of occupational health and safety. |
| C2 | To provide students with knowledge about harmful factors in the work environment and their classification, as well as the personal protective equipment available and its purpose. |
| C3 | Learning the principles of fire protection and the principles of providing first aid to the injured. |

* 1. Subject-specific learning outcomes, divided into knowledge , skills and competences , with reference to the directional learning outcomes

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| --- | --- | --- | --- | --- | --- | --- |
| No. | Description of subject  learning outcomes | Reference to  directional effects  learning (symbols) | Method of implementation (mark "X") | | | |
| ST | | NST | |
| Classes at the University | Activities on  the platform | Classes at the University | Activities on  the platform |
| After passing the course, the student knows and understands **the knowledge** | | | | | | |
| W1 | Harmful factors in the work environment and their classification. | INF\_W15 |  | x |  | x |
| W2 | Has knowledge of available personal protective equipment and its purpose. |  | x |  | x |
| W3 | Has knowledge of appropriate explanation of occupational hygiene. |  | x |  | x |
| W4 | Definition, types and components of ergonomics. |  | x |  | x |
| W5 | Fire protection principles. |  | x |  | x |
| W6 | Has knowledge of providing first aid to an injured person. |  | x |  | x |
| After passing the course, the student is ready to take part in **social competences.** | | | | | | |
| K1 | Compliance with and application of occupational health and safety rules during studies and at work. | INF\_K05 |  | x |  | x |

3.3. Forms of teaching and their number of hours - Full-time studies (ST), Part-time studies (NST)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Path | Lecture | Exercises | Design | Workshop | Laboratory | Seminar | Lecturer | Classes conducted using distance learning methods and techniques in the form of a lecture | Other | **ECTS points** |
| **ST** |  |  |  |  |  |  |  | 15 |  | 1 |
| **NST** |  |  |  |  |  |  |  | 15 |  | 1 |

3.4. Content of education (separately for each form of classes: (W, ĆW, PROJ, WAR, LAB, LEK, OTHER). It should be marked (X) how the given content will be implemented (classes at the university or classes on the e-learning platform conducted using distance learning methods and techniques)

TYPE OF CLASS: LECTURE

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Content of the course | Reference to subject-specific learning outcomes | Method of implementation (mark "X") | | | |
| ST | | NST | |
| **Classes at the University** | **Activities on  the platform** | **Classes at the University** | **Activities on  the platform** |
| 1. | Introduction to occupational health and safety – accidents at work. | W3, K1 |  | x |  | x |
| 2. | Harmful factors – personal protective equipment. | W1, W2, K1 |  | x |  | x |
| 3. | Definition, types and components of ergonomics. | W4, K1 |  | x |  | x |
| 4. | Stages, classification and consequences of mobbing. | W2, W3, K1 |  | x |  | x |
| 5. | Fire protection. | W5, K1 |  | x |  | x |
| 6. | First aid. | W6, K1 |  | x |  | x |
| 7. | Summary of classes. |  |  | x |  | x |

3.5. Methods of verifying learning outcomes (indicating and describing methods of conducting classes and verifying the achievement of learning outcomes, e.g. debate, case study, preparation and defense of a project, complex multimedia presentation, solving problem-solving tasks, situation simulations, study visit, simulation games + description of a given method):

|  |  |  |  |
| --- | --- | --- | --- |
| Subject Effects | Teaching methods | Methods of verifying learning outcomes | Documentation methods |
| KNOWLEDGE | | | |
| W1-W6 | Multimedia presentation of issues | Preparation of a multimedia presentation illustrating the acquisition of knowledge obtained | Multimedia presentation |
| SOCIAL COMPETENCES | | | |
| K1 | Multimedia presentation of issues | Preparation of a multimedia presentation illustrating the acquisition of knowledge obtained | Multimedia presentation |

3.6. Assessment criteria for the achieved learning outcomes

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| --- | --- | --- | --- | --- | --- |
| Learning effect | For a grade of 3 or "pass."  the student knows and understands/is able to/is ready to | For a grade of 3.5, the student knows and understands/is able to/is ready to | For a grade of 4, the student knows and understands/is able to/is ready to | For a grade of 4.5, the student knows and understands/is able to/is ready to | For a grade of 5, the student knows and understands/is able to/is ready to |
| W | 51-60% of knowledge indicated in learning outcomes | 61-70% of knowledge indicated in learning outcomes | 71-80% of knowledge indicated in learning outcomes | 81-90% of knowledge indicated in learning outcomes | 91-100% of knowledge indicated in learning outcomes |
| U | 51-60% of skills indicated in learning outcomes | 61-70% of skills indicated in learning outcomes | 71-80% of skills indicated in learning outcomes | 81-90% of skills indicated in learning outcomes | 91-100% of skills indicated in learning outcomes |
| K | 51-60% of skills indicated in learning outcomes | 61-70% of skills indicated in learning outcomes | 71-80% of skills indicated in learning outcomes | 81-90% of skills indicated in learning outcomes | 91-100% of skills indicated in learning outcomes |

3.7. Literature

**Basic**

* Janiga, Jan, Ergonomia i fizjologia pracy, Stowarzyszenie "Współnota Akademicka", Legnica 2014.
* Rączkowski, Bogdan. BHP w praktyce, Ośrodek Doradztwa i Doskonalenia Kadr, Gdańsk 2010.
* Nowacka, Wiesława, Ergonomia i ochrona pracy : wybrane zagadnienia / Wydawnictwo SGGW, Warszawa 2013.
* Goniewicz, Mariusz, Pierwsza pomoc: podręcznik dla studentów / Wydawnictwo Lekarskie PZWL, Warszawa 2015.

4. Student workload - ECTS points balance

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| --- | --- | --- |
| **Types of student activity** | **Student Load** | |
| **ST** | **NST** |
| **Classes requiring direct contact between the student and the academic teacher at the university premises** | **15** | **15** |
| Classes included in the study plan | 15 | 15 |
| **Student's own work** | **10** | **10** |
| Ongoing preparation for classes, preparation of project work/presentations/etc. | 5 | 5 |
| Preparation for passing classes | 5 | 5 |
| **TOTAL STUDENT HOURLY LOAD** | **25** | **25** |
| **Number of ECTS points** | **1** | **1** |

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| Last change date | 30/09/2024 |
| The changes were introduced | INF Education Quality Team |
| The changes were approved | Arkadiusz Gwarda, M.A. |