

Subject card

| Subject name and code | Occupational Health and Safety Ergonomics, PG_00041987 | | | | | | | | |
|---|--|---|---|-------------------------------------|----------|---|------------------------------|-----|--|
| Field of study | Power Engineering, Power Engineering, Power Engineering, Power Engineering, Power Engineering | | | | | | | | |
| Date of commencement of | October 2020 | | Academic year of | | | 2020/2021 | | | |
| studies | | | realisation of subject | | | | | | |
| Education level | first-cycle studies | | Subject group | | | Obligatory subject group in the field of study | | | |
| | | | | | | Humanistic-social subject group | | | |
| Mode of study | Full-time studies | | Mode of delivery | | | e-learning | | | |
| Year of study | 1 | | Language of instruction | | | English | | | |
| Semester of study | 1 | | ECTS credits | | | 1.0 | | | |
| Learning profile | general academic profile | | Assessment form | | | assessment | | | |
| Conducting unit | Department of Machi | ne Design and | Vehicles -> Fa | aculty of Mech | anical E | ngineer | ineering and Ship Technology | | |
| Name and surname | Subject supervisor | | dr inż. Ryszard Woźniak | | | | | | |
| of lecturer (lecturers) | Teachers | | dr inż. Ryszard Woźniak | | | | | | |
| Lesson types and methods | Lesson type | Lecture | Tutorial | Laboratory | Project | | Seminar | SUM | |
| of instruction | Number of study hours | 15.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 15 | |
| | E-learning hours inclu | E-learning hours included: 15.0 | | | | | | | |
| | Adresy na platformie | eNauczanie: | | | | | | | |
| Learning activity and number of study hours | Learning activity | ng activity Participation in classes included | | Participation in consultation hours | | Self-study | | SUM | |
| | Number of study hours | per of study 15 | | 3.0 | | 7.0 | | 25 | |
| Subject objectives | Gaining basic knowledge of ergonomics and occupational health and safety. | | | | | | | | |
| Learning outcomes | Course out | come | Subject outcome | | | | Method of verification | | |
| | [K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment [K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems in a social environment | | The student explains the concepts of ergonomics. It describes its goals and area of application. Defines the human - machine - environment system. Designs a human work environment taking into account design principles. Applies different human models. Presents the safety and reliability of the human-machine-environment system. Student presents information on machines. | | | [SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work | | | |
| | | | The student explains the concepts of ergonomics. It describes its goals and area of application. Defines the human - machine - environment system. Designs a human work environment taking into account design principles. Applies different human models. Presents the safety and reliability of the human-machine-environment system. Student presents information on machines. | | | [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject | | | |
| Subject contents Prerequisites | Definitions of ergonomics, their purposes and application area. Description of man - machine - environment configuration. Conception of balanced development. Environmental management system. Model of man and it"s characteristics. Man capabilities versus industrial processes. Environment of working man - circle conditions. Designs principles of environment of working man. Safety and reliable man - machine - environment configuration. Information acquisition of machines. Knowledge of Physics (High School level). | | | | | | | | |
| and co-requisites | | | | | | | | | |

Data wydruku: 18.04.2024 23:55 Strona 1 z 2

| Assessment methods | Subject passing criteria | Passing threshold | Percentage of the final grade | | | |
|--|-----------------------------|---|-------------------------------|--|--|--|
| and criteria | End test | 50.0% | 100.0% | | | |
| Recommended reading | Basic literature | 1. Koradecka D.: "Bezpieczeństwo pracy i ergonomia", tom I i II. CIOP, Warszawa, 1997. 2. Hempel L.: "Człowiek i maszyna - techniczny model współdziałania", materiały własne, 1984. 3. Wykowska M.: "Ergonomia", Wyd Akademii Górniczo-Hutniczej w Krakowie, Kraków, 1994. | | | | |
| | Supplementary literature | No requirements | | | | |
| | eResources addresses | | | | | |
| Example issues/ example questions/ tasks being completed | 1) definitins of ergonomics | | | | | |
| | 2) human models | | | | | |
| Work placement | Not applicable | | | | | |

Data wydruku: 18.04.2024 23:55 Strona 2 z 2