



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

PO: Humanities - Psychology of work in electromobility

### Course

Field of study

Electromobility

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

polish

Requirements

elective

### Number of hours

Lecture

30

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

### Number of credit points

2

### Lecturers

Responsible for the course/lecturer:

dr inż. Żaneta Nejman

Institute of Safety Engineering

Department of Ergonomics Applications

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Responsible for the course/lecturer:

dr hab. Joanna Sadłowska-Wrzesińska

Institute of Safety Engineering

Risk and Quality Management Department

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### Prerequisites

The student has basic knowledge of ergonomics and work safety, the ability to think logically and use their knowledge. The student demonstrates cognitive openness to the humanistic aspects of innovation related to electromobility.

### Course objective

Gaining knowledge and skills to shape better work organization, team building and commitment.

Acquiring knowledge in the field of prevention of modern work environment pathologies, motivating to safe attitudes and behaviors, especially in the face of innovative electromobility technologies.



To raise awareness of the role that interpersonal and group communication plays in professional life and to emphasize the role of effective communication in various situations of professional life.

### Course-related learning outcomes

#### Knowledge

- The student has the basic knowledge necessary to understand the social conditions of engineering activities.
- The student has basic knowledge in the field of patents and application of copyright law, the Act on personal data protection and industrial and intellectual property.

#### Skills

- The student is able to select sources and information from them properly - He/she is able to use literary sources, integrate acquired information, evaluate it and interpret and draw conclusions in order to solve complex and unusual problems in the field of electromobility work psychology.
- The student is able to formulate and solve tasks concerning the psychology of work in electromobility and is able to see their systemic and non-technical aspects, including environmental, economic and legal.

#### Social competences

- The student understands the need to formulate and communicate to the public information and opinions on the positive and negative aspects of the psychology of work in electromobility, and is ready to act in the public interest.
- The student is aware of the importance of own work and the necessity to observe the rules of professional ethics, he or she is ready to submit to the rules of teamwork and to take responsibility for jointly performed tasks, as well as to care about the achievements and traditions of the profession.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

formulation evaluation:

- Knowledge is verified through short colloquia after the fifth and tenth teaching unit - problematic tasks;
- social skills and competences are verified by issuing partial marks, resulting from: teamwork (taking responsibility for the decisions made); activity bonuses; independent problem solving.

Summary evaluation:

Knowledge is verified by means of a written colloquium concerning the basic concepts and problems of contemporary work psychology; pass marker - 50% + 1.

### Programme content



1. The role of work in human life (historical context of work development, socioeconomic aspect of work, work as a value and opportunity for self-fulfilment, dysfunction of work). 2 The relationship of work psychology with the management of innovative production of electromobile devices - the basis of individual behavior, attribution theory, improvement of quality and productivity, learning in the organization, diversity management). 3. Motivation and engagement (the most important theories of motivation, cultural character of motivation, non-wage motivation techniques, from motivation to engagement - influence of employees' attitudes on the quality and safety of work performed). 4. Behaviors in the organization (basics of group behavior, leadership, conflict, negotiation/mediation). 5. Pathologies in the work environment (escalation of professional stress and related consequences). 6. Mobbing and discrimination in the changing conditions of the contemporary labour market. 7 Organizational innovations for the improvement of life at work (definition of employee welfare, programs for improving quality of life at work, BBS, CSR, social dialogue). 8. Introduction to the process of social communication and types and models of social communication. 9. Interpersonal communication. 10. Communication barriers: technical, organizational, social. 11. Communication and solving problems in groups. 12. Communication in organization, mass communication and public relations. 13. Negotiations and communication in conflict situations. 14. Communication competences and their influence on interpersonal relations. 15. Savoir vivre principles in private and business life.

### Teaching methods

The lecture

- informative lecture, conversation lecture.

### Bibliography

Basic

1. Sadłowska-Wrzesińska J., Lewicki L., Podstawy bezpieczeństwa i zdrowia w pracy, Wydawnictwo WSL, Poznań 2018.
2. Zimbardo Ph., Gerrig R., Psychologia i życie, Wydawnictwo Naukowe PWN, Warszawa 2016.
3. Ratajczak Z., Psychologia pracy i organizacji, Wydawnictwo Naukowe PWN, Warszawa 2008.
4. Sadłowska-Wrzesińska J., Nejman Ż., Gabryelewicz I., Kultura bezpieczeństwa pracy w roli czynnika motywacyjnego - analiza różnic płciowych, Przedsiębiorczość i Zarządzanie, t. 18, z. 6, cz. 1, 2017.

Additional

1. Terelak J.F., Psychologia organizacji i zarządzania, Wydawnictwo Difin, Warszawa 2005.
2. Litzcke S., Schuh H., Stres, mobbing, wypalenie zawodowe, GWP, 2007.
3. Kozioł L., Motywacja w pracy. Determinanty ekonomiczno-organizacyjne, PWN, Warszawa, 2002.
4. Bańka A., Psychologia pracy, [w:] Psychologia. Podręcznik akademicki t.3, red. J.Strelau, GWP, Gdańsk, 2000.



5. Tarniowa-Bagieńska M., Siemieniak P., Psychologia w zarządzaniu, Wyd. Politechniki Poznańskiej, 2010.

### Breakdown of average student's workload

|   | Hours | ECTS |
|---|-------|------|
| Total workload  | 50    | 2,0  |
| Classes requiring direct contact with the teacher   | 30    | 1,0  |
| Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup> | 20    | 1,0  |

<sup>1</sup> delete or add other activities as appropriate