SYLLABUS

Name: Monographic course
Name in Polish: Społeczna odpowiedzialność dla inżynierów
Name in English: Social responsibility for engineers

Information on course:

Course offered by department:	Faculty of Organisation and Management
Course for department:	Silesian University of Technology
Study level and form:	Master's degree/Bechelor's degree, Full-time
Term:	II semester 2023/2024
Coordinator of course edition:	Dr hab. inż. Patrycja Hąbek, prof. PŚ

Default type of course examination report:

Language:
English

Course homepage:
https://platforma.polsl.pl/roz/

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Short description:
The aim of the course is to acquire the skills and insights necessary to make ethical and sustainable decisions within your organisation, ensuring that your business not only thrives but also contributes positively to society and the environment.

Description:
Lecture 15h:

Key Topics Covered:

1. Sustainable Manufacturing: Discover sustainable manufacturing processes and technologies that minimize environmental impact while maintaining efficiency and quality.
2. Sustainability in Supply Chain Management: Explore the critical role of sustainability in supply chain management. Learn how responsible sourcing, logistics, and distribution can positively impact both your business and the environment.
3. Social Responsibility (CSR) Concept: Gain a deep understanding of the CSR concept and its significance in today's business world. Explore the ethical and social dimensions of corporate responsibility.
4. CSR Communication: Learn effective strategies for communicating your organization's CSR initiatives to stakeholders, including employees, customers, investors, and the public. Master the art of transparent and compelling CSR reporting.
5. Corporate Social Responsibility in European Union Perspective: Understand how CSR is approached within the European Union and how it affects multinational corporations operating in the EU. Explore EU-specific regulations and guidelines.

Bibliography:

1. Hąbek P.: Społeczna odpowiedzialność dla inżynierów, wyd. Politechniki Śląskiej, Gliwice 2016
2. Hąbek P., Wolniak R.: What Factors Affect the Quality of Sustainability Reports? The Case of Reports From Selected European Union Member States, Conference Proceedings of 15th International Multidisciplinary Scientific GeoConference. Ecology, Economics, Education and Legislation, Vol. III Albena, Bułgaria, STEF92 Technology Ltd., s.767-774, 2015, ISBN 978-619-7105-41-4, ISSN 1314-2704
3. Wolniak R., Hąbek P.: Reporting Process of Corporate Social Responsibility and Greenwashing, Conference Proceedings of 15th International Multidisciplinary Scientific GeoConference. Ecology, Economics, Education and Legislation, Vol. III Albena, Bułgaria, STEF92
4. Hąbek, P.; Lavios, J.J. Striving for Enterprise Sustainability through Supplier Development Process. Energies 2021, 14, 6256. https://doi.org/10.3390/en14196256

5. Hąbek, Patrycja, Lavios, Juan J. and Krupah, Edward. "How car producers are driving toward sustainable supplier development" Production Engineering Archives, vol.28, no.3, 2022, pp.268-278. https://doi.org/10.30657/pea.2022.28.33
6. Hąbek P.: The concept of using FMEA method for sustainable manufacturing, Systemy Wspomagania w Inżynierii Produkcji, Cross-border exchange of experience in production engineering using principles of mathematics, vol.6, iss.2, 2017, pp.49-55
7. Hąbek P., Lechowicz P.: Assessment of sustainable production practices The case of company from metal industry, in: MAPE Multidiscipl. Asp. Eng. Prod. 2019 vol. 2 iss. 1, s. 447-456
8. Crul M.R.M., Dieh J.C.: Design for Sustainability. A practical approach for developing economies. UNEP, http://www.d4s-de.org/manual/d4stotalmanual.pdf.

Learning outcomes:

Knowledge:
K2A_W01 At an in-depth level - selected facts, objects and phenomena, as well as methods, theories and conditions explaining the complex relationships between them and constituting advanced general knowledge in the field of engineering in relation to sustainable development concept.
K2A_W02 Main trends of development in the engineering profession in connection with sustainability.
Skills:
K2A_U13 Use a foreign language at the B2+ level of the Common European Framework of Reference for Languages and specialist terminology related to the field of study of management and production engineering.
Social competences:
K2A_K06 Creating and developing patterns of proper conduct in the work and life environment, taking initiatives, critically assessing him/herself, the teams and organizations in which he/she participates, as well as leading a group and taking responsibility for it.

Assessment methods and assessment criteria:

To pass the course, each student prepares a case study in the form of a ppt presentation and presents it to the group. The presentation is assessed in terms of content and form.

Practical placement: