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Course title: ENGLISH TERMINOLOGY IN ENVIRONMENTAL SCIENCE

ECTS credit allocation (and other scores): 1.0

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Natural sciences

Language: English

Number of hours per semester: 20

Course coordinator/ Department and e-mail: Dr. Habil. Eng. Mariusz Gusiatin, Assoc. Prof./ Department of Environmental Biotechnology; mariusz.gusiatin@uwm.edu.pl

Type of classes: classes

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Substantive content

CLASSES: Milestones in molecular biology. Cell structure and function. Drug discovery. Emerging problem of microplastics. Renewable energy technologies. Bioreactor design and operation. Food bioprocessing. Waste biorefinery. Biofuel technology. Phytotechnology - a green key for pollution. Value-added products recovered from sludge.

Learning purpose: to enrich scientific vocabulary related to biotechnology.

On completion of the study programme the graduate will gain:

Knowledge: of English subjects and technical vocabulary related to the field of biotechnology.

Skills: the ability to integrate listening, speaking, reading, and writing in English.

Social Competencies: improving practical use of scientific literature in learning English and scientific discussion.

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Basic literature: 1) Kamińska U., 2016, English for Biotechnology. Gdańsk University of Technology Publishers, Gdańsk. 2) Czerw A., Durlík B., Hryniewicz M., 2010, Geo-English. Język angielski dla studentów geodezji i inżynierii środowiska. Wydawnictwa AGH, Kraków. 3) Baszyńska I., Idźkowska J., Kopańska-Mazur J., 2002. English in the Natural Sciences. Wydawnictwo UWM, Olsztyn.

Supplementary literature: 4) Murphy R., 2004, English Grammar in Use, Cambridge University Press, Cambridge.

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The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 0.79

Student's independent work: 0.21