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| FACULTY: | Faculty of Mechanical Engineering and Energetics |
| FIELD OF STUDY: | Food Technology and Human Nutrition |
| ERASMUS COORDINATOR OF THE FACULTY: | Agnieszka Szparaga, PhD, DSc, Eng |
| E-MAIL ADDRESS OF THE COORDINATOR: | agnieszka.szparaga@tu.koszalin.pl |
| COURSE TITLE: | **Chemistry** |
| LECTURER’S NAME: | Ewa Dobruchowska, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | ewa.dobruchowska@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 2 |
| COURSE CODE (USOS): | 0811>2000-ChNiO2-lab |
| ACADEMIC YEAR: | 2024/2025 |
| SEMESTER: (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 15 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | laboratory |
| LANGUAGE OF INSTRUCTION: | * **English full time scheme for classes with 5 and more International Erasmus+ students enrolled/accepted;** * **English 50% individually with the teacher + Polish 50% with Polish students or individual project work- scheme for classes with less than 5 International Erasmus+ students enrolled/ accepted;** |
| ASSESSMENT METHOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | written reports |
| COURSE CONTENT: | |  | | --- | | Preparation of a hydrochloric acid solution of a strictly defined titre.  Conductometry: quantification of sulphate by conductometric titration.  Colorimetry: determination of iron content by the colorimetric method. Preparation of calibration curves.  Electrogravimetric determination of copper content.  Chemical reaction kinetics: determination of urea hydrolysis reaction rate.  Clock reaction study in a system - ascorbic acid, iodides (Harcourt clock reaction). | |
| ADDITIONAL INFORMATION: | - |

/sporządził, data/