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| **Course code** | CC2 |
| **Type and description** | CC - Core curriculum |
| **ECTS credit** | 4 |
| **Course name** | **Green chemistry and engineering** |
| **Course name in Polish** | **Zielona chemia i inżynieria** |
| **Language of instruction** | English |
| **Course level** | 8 PRK |
| **Course coordinator** | Prof. Dr. Laurence Weatherley - University of Kansas, USA |
| **Course instructors** |  |
| **Delivery methods and course duration** | **Lecture Tutorials Laboratory Project Seminar Other Total of teaching**  Contact hours 30 30 0 60  E-learning No No No No No No  Assessment criteria 50% 50% |
| **Course objective** | Providing knowledge of the modern technologies in chemical industry that are safe for the environment |
| **Learning outcomes** | Doctoral candidate can:  - describe the idea of green technology (***W1, U2, K1)***  - discuss on the given technology and describe its advantages and disadvantages from ecological point of view (***U2, K1)***  - propose modification of the contemporary technologies to make them more environment-friendly (***U1, U3, K1)*** |
| **Assessment methods** | The final grade consists of:  Exam - 100% |
| **Prerequisites** | none |
| **Course content with delivery methods** | Lecture:  - the idea of green chemistry and technology  - examples of green technology  - development of technologies used in the chemical industry  Tutorials:  - discussion on green technologies and their development |
| **Basic reference materials** | Materials of the lecturer |
| **Other reference materials** | none |
| **Average student workload outside classroom** | 15 |
| **Comments** |  |
| **Last update** |  |