| Course code | | | | | | | | |
|---|---|------------|---------------|-----------------|---------------|--------------|-----------|---|
| Type and description | EC | | | | | | | |
| ECTS credit | 1 | | | | | | | |
| Course name | Special Applications of Colorants | | | | | | | |
| Course name in Polish | Barwniki i pigmenty do celów specjalnych | | | | | | | |
| Language of instruction | English | | | | | | | |
| Course level | 8 PRK | | | | | | | |
| Course coordinator | dr hab. Radosław Podsiadły, prof. uczelni | | | | | | | |
| Course instructors | dr hab. Radosław Podsiadły, prof. uczelni | | | | | | | |
| Delivery methods and course duration | | Lecture | Tutorials | Laboratory | Project | Seminar | Other | Total of teaching hours during semester |
| | Contact hours | 0 | 0 | 0 | 15 | | 0 | 15 |
| | E-learning | No | No | No | No | No | No | |
| | Assessment criteria (weightage) | 0,00 | | | 100 | | 0,00 | |
| Course objective | Enabling the acquisition of knowledge in the field of dyes and pigments to solve scientific problems arising during the Ph.D. dissertation. | | | | | | | |
| Learning outcomes | After the course a PhD student is able to: | | | | | | | |
| | 1. selects the right colorants to solve the scientific problem related to her/his Ph.D. thesis – effects W4 | | | | | | | |
| | 2. plans and performs experiments with the use of the different types of dyes or pigments – effect U4, K1 | | | | | | | |
| | 3. present and interprets the results of his experiments – effects W4, U4, K1 | | | | | | | |
| Assessment methods | Effects W4, U4, K1 – presentation | | | | | | | |
| | The final grade consists of: Project preparation, description and oral presentation - 100% | | | | | | | |
| Prerequisites | Fundamental knowledge of physics, chemistry, and spectroscopy | | | | | | | |
| Course content with | PROJECT | | | | | | | |
| delivery methods | An own topic pro | posed by a | student and | related to a s | ubject of his | Ph.D. thesis | S. | |
| Basic reference materials | 1. Industrial Dy Weinheim, 2003 | res - Chen | nistry, Prope | erties, Applica | tions - ed. | K. Hunger | - WILEY-Y | VCH Verlag, |
| | 2. Industrial Organic Pigments - eds W. Herbst, K. Hunger - WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, 2004 | | | | | | | |
| Other reference materials | Scientific articles devoted to the modern application of colorants in analytical, photopolymerization, PTD, etc | | | | | | | |

| Average student workload | 10 h |
|--------------------------|----------------|
| outside classroom | |
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| Comments | |
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| Last update | April 14, 2023 |
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