

**Course title:** Innovation in drug discovery technology - selectable course

**Number of contact hours:** 30 hours (lectures)

**ETCS credits:** 2

**Course description:** The lecture concerns mainly the topics related to current development directions in drug discovery technology. Other issues discussed during the course also lead to subjects related to topics such as generic drugs and new drug delivery system. Another subject discussed innovative synthesis of active substances. The course also concerns on new methods of drug design.

**Education effects (P6S\_UW, P6S\_WG):**

- **knowledge:** the student knows basic topics of innovation in drug discovery technology
- **skills:** the student can present several modern methods of drug synthesis
- **social:** the student can search for topic-related, specialised literature independently and in a group.

**Literature:**

- [1 ] J. J. Li, D. S. Johnson, *Modern Drug Synthesis*, John Wiley & Sons, Hoboken 2010.
- [2] B. Patwardhan, R. Chaguturu, *Innovative Approaches in Drug Discovery*, Elsevier Inc. 2017.
- [3] J. C. Menendez, M. T. Ramos, M. Villacampa, P. L. Pez-Alvarado, *Drug Synthesis: Strategies, Methods, and the Role of Catalysis*, Wiley, 2017.

**Assessment method:** Final test

**Prerequisites:** Basic knowledge in innovation in drug discovery technology

**Primary target group:** All specialties students

**Lecturer:** dr inż. J.Jaskowska, Contact person: dr inż. J.Jaskowskaka e-mail: jaskowskaj@chemia.pk.edu.pl