

Course title:**Research project****Institute/Division:****FACULTY OF CHEMICAL ENGINEERING AND TECHNOLOGY /** Engineering of Technological Processes**Erasmus subject code:**

Research project

Course duration:

1 semester

ETCS credits:**10****Course description:**

The research project is the final proof of the ability of the student to independently handle more complex problems within the area of Chemical Engineering or Chemical Technology studies programmes. It is an individual research project (it cannot be done in a group) and it is conducted under the direction of a faculty specialist in the same subject area. After selection of research topic the student should find bibliography sources concerning the studied subject of the research and briefly process them in a theoretical part of the thesis. Basing on the literature student should prepare works schedule and plan the experiments, and after acceptance of the supervisor, complete all the experiments, analyses and calculations included in the schedule. The experimental part can be based on the laboratory analysis and experiments, complex theoretical calculations, as well as the computer simulations. On the basis of experimental results, a student should draw comprehensive report including discussion of the results and correct conclusions. This document (dissertation) is evaluated by supervisor and independent reviewer. Final step is an oral presentation (10 min) and thesis defense in front of the faculty committee.

Literature:

academic textbooks, technical documentations, patents and up-to-date scientific publications

Assessment method:**Research report, oral presentation and thesis defense****Prerequisites:**

completed at least 4 semesters of studies in Chemical Engineering or Chemical Technology.

Primary target group:**All students within the first or second cycle of studies in Chemical Engineering and/or Chemical Technology****Contact person:**

(Erasmus coordinator dr. E.Skrzyńska, e-mail: eskrzynska@pk.edu.pl)

Deadline for application:**30th of August for winter semester, 15st January for spring semester****Remarks:**

the list of potential supervisors and thesis topics is regularly updated and available at faculty Erasmus Coordinator office
Course can be taken in each semester individually (10 ECTS is counted for each semester separately) - in case of 2 semesters stay
The topic can be continued or new topic can be selected.