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| Title Industrial Process Design | Code 1010707281010720533 |
| Field Chemical Technology | Year / Semester 4 / 8 |
| Specialty Organic Chemical Technology | Course core |
| Hours Lectures: - Classes: - Laboratory: - Projects / seminars: 4 | Number of credits 6 |
| | Language polish |

Lecturer:

dr inż. Maciej Staszak
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Faculty:

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Status of the course in the study program:

specialistic

Assumptions and objectives of the course:

Obtaining the knowledge of plant design methods, systems of computer aided design and economical analysis of the process.

Contents of the course (course description):

During the course different stages of plant design are discussed including initial study, process project, technical-economic assumptions and technical project are presented. Main rules of economic analysis with regard to cost of plant and cost of production are taken into account. Important part of the course is the elaboration of process project using computer aided design system CAD. The project contains also economical analysis in the range of the plant costs and the production cost.

Introductory courses and the required pre-knowledge:

Fundamentals of Chemical Engineering and Apparatus, Chemical Technology

Courses form and teaching methods:

projects

Form and terms of complete the course - requirements and assessment methods:

Current checking, evaluation of final project rapport

Basic Bibliography:

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Additional Bibliography:

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