### POZNAN UNIVERSITY OF TECHNOLOGY



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

#### **COURSE DESCRIPTION CARD - SYLLABUS**

Course name

Instrumental analysis with elements of samples preparation [N1TCh2>AIzEPP]

| Course                                                           |                         |                                      |                          |
|------------------------------------------------------------------|-------------------------|--------------------------------------|--------------------------|
| Field of study<br>Chemical Technology                            |                         | Year/Semester<br>3/5                 |                          |
| Area of study (specialization)                                   |                         | Profile of study<br>general academic | c                        |
| Level of study<br>first-cycle                                    |                         | Course offered in polish             | 1                        |
| Form of study<br>part-time                                       |                         | Requirements elective                |                          |
| Number of hours                                                  |                         |                                      |                          |
| Lecture<br>0                                                     | Laboratory classe<br>15 | es                                   | Other (e.g. online)<br>0 |
| Tutorials<br>0                                                   | Projects/seminars<br>0  | 6                                    |                          |
| Number of credit points<br>1,00                                  |                         |                                      |                          |
| Coordinators                                                     | Lecturers               |                                      |                          |
| dr inż. Tomasz Rębiś<br>tomasz.rebis@put.poznan.pl               |                         |                                      |                          |
| dr hab. inż. Joanna Zembrzuska<br>joanna.zembrzuska@put.poznan.j | pl                      |                                      |                          |
| Prerequisites                                                    |                         |                                      |                          |

none

Course objective

none

Course-related learning outcomes

none

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

none

# Teaching methods

none

## Bibliography

none

## Breakdown of average student's workload

|                                                                                                                                            | Hours | ECTS |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------|------|
| Total workload                                                                                                                             |       |      |
| Classes requiring direct contact with the teacher                                                                                          |       |      |
| Student's own work (literature studies, preparation for laboratory classes/<br>tutorials, preparation for tests/exam, project preparation) |       |      |