

86S1-CHFOB

PHYSICAL CHEMISTRY - CALCULATIONS

ECTS: 3.0

HOURS PER SEMESTER/WEEK: LECTURES: -/-; CLASSES: 30/2

FIELD OF THE STUDY: Chemistry

Level of study: First-cycle (Bachelor's degree) program

Course status: obligatory *

Year of the study: I

COURSE CONTENTS

LECTURES: -

CLASSES: Calculations in the field of thermodynamics, physicochemical properties of gases, liquids and solids, phase transitions, electrochemistry.

EDUCATIONAL PURPOSE: Learning chemistry calculations.

LEARNING OUTCOMES

Knowledge. Student has knowledge of thermodynamics, physicochemical properties of matter and electrochemical processes.

Skills. Student can mathematically describe phenomena related to thermodynamics, physicochemical properties of gases, liquids and solids, phase transitions and electrode processes.

Social competences. The student understands the need for continuous learning and raising professional qualifications.

TEACHING FORMS AND METHODS

Lectures. -

Classes. Auditorium exercises.

FORM AND CONDITIONS FOR VERIFICATION OF LEARNING OUTCOMES

Lectures. -

Classes. Written test - Solving tasks and obtaining at least 50% of the maximum number of points.

BASIC LITERATURE

1) Demichowicz-Pigoniowa J., Olszowski A. 2014. Chemia fizyczna. Obliczenia fizykochemiczne t. 3, Wydawnictwo Naukowe PWN

ADDITIONAL LITERATURE

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THE TEACHER/TEACHERS CONDUCTING THE CLASSES:

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