

# **SYLLABUS**

SUBJECT **Algebra**

TEACHER **Prof dr hab Michał Zariczny**

## **COURSE DESCRIPTION**

BASIC NOTIONS OF LINEAR ALGEBRA. ALGEBRAIC STRUCTURES (GROUPS, SEMIGROUPS, RINGS, FIELDS).

## **LEARNING OUTCOMES**

The student should recognize the algebraic structures and apply them in analysis and geometry.

## **GRADING POLICY**

PARTICIPATION IN CLASS. EXAMINATION.

## **TIMETABLE**

2 hours per week

## **TEXTBOOK AND REQUIRED MATERIALS**

Dummit and Foote: *Abstract Algebra*, 2nd Edition

Lang: *Algebra*, 3rd Edition.

**ARCHIVAL MATERIALS ACCESSIBLE BY THE LECTURER**

## **PREREQUISITES:**

Analysis, set theory and geometry.