

**COURSE TITLE: JAVA PROGRAMMING**

**Institute/Division:** Chair of Technical Informatics / Faculty of Electrical and Computer Engineering

**Course code:** E5-java

**Erasmus subject code:** 11.3

**Number of contact hours:** 45

**Course duration:** 1 semester (Fall)

**ECTS credits:** Course description: Introduction to object oriented programming. Expressions. Controlling execution. Initialization and Cleanup. Access Control. Inheritance. Polymorphism. Interfaces. Error handling. Input/ Output streams. Generics. Containers. Strings. Arrays. Enumerated types. Concurrency. Network. Swing: GUI. Swing: handling events.

**Course type:** lectures (20h), laboratory (20h), project (5h)

**Literature:** Bruce Eckel, Thinking in Java, 4th Edition; The Java Tutorial. A practical guide for programmers, <http://java.sun.com>

**Prerequisites:** C programming

**Assessment method:** Project and implementation of a simple Java programme. Laboratory, exercises.

**Lecturers:** dr Radoslaw Czarnecki

**Contact person:** dr Radoslaw Czarnecki, e-mail: [czarneck@pk.edu.pl](mailto:czarneck@pk.edu.pl)