



Course title	Introduction to Databases
Institute/Division	Faculty of Computer Science and Mathematics/ Department of Computer Science
Course code	F-1.DB
Erasmus subject code*	11.3
Number of contact hours**	45 lecture hours (45h)
Course duration	1 semester (Spring)
ECTS credits	6
Course description (max 100 words)	The main objective of the course is to provide basic knowledge of the relational database model, database design, and SQL and PL/SQL languages. Basic concepts related to databases are also introduced, including: primary key, foreign key, entities, attributes, relations, SZBD, normalization, anonymous block, cursors, stored programs (functions, procedures, packages, triggers) . The Oracle DBMS will be used in the class.
Literature	1. Alan Beaulieu, Learning SQL. Generate, Manipulate, and Retrieve Data , ebook/O'Reilly Media 2020 2. Steven Feuerstein, Bill Pribyl. Oracle PL/SQL Programming , ebook/O'Reilly Media 2014 3. Steven Feuerstein, Oracle PL/SQL Best Practices , ebook/O'Reilly Media 2007 ???. Edward Sciore, Database Design and Implementation: Second Edition , Springer 2020 5. Oracle documentation: https://www.oracle.com/pl/database/sqldeveloper/
Course type/organization	Lectures and laboratories
Assessment method	Laboratory exercises
Prerequisites	Basic knowledge of relational databases and SQL language
Primary target group	2nd and 3rd year students
Contact person	Anna Plichta B.Eng., M.Eng., anna.plichta@pk.edu.pl
Remarks	

*please insert one of the following codes:

- 11.0 Mathematics, Informatics
- 11.1 Mathematics
- 11.2 Statistics
- 11.3 Informatics, Computer Science
- 11.4 Artificial Intelligence
- 11.5 Actuarial Science
- 11.9 Others Mathematics, Informatics

**1 lecture hour=45 minutes