



<b>Course title:</b>	<b>Introduction to Databases</b>
<b>Department:</b>	F-3, Department of Computer Science
<b>Course code:</b>	F3-DB
<b>Erasmus subject code:</b>	Information and Communication Technologies (ICTs) Informatics, Computer Science
<b>Number of contact hours:</b>	45 hours
<b>Course duration:</b>	1 semester
<b>ECTS credits:</b>	6
<b>Course description:</b>	Using base management tools for the administrator and user, Making up base and tables by means of graphical tools, Making up base and tables by means of SQL instruction from the console, Making up base and tables by means of SQL instruction from the console, Normalization of the base for the given input project. ERD diagrams, Making up SQL statements based on queries, Making up views by means of SQL creators and queries, Designing and making up referential integrity in tables and columns, Indices, Designing transactions and making use of them, Cooperation with external client applications and interface configuration, User management and access rights management, Topic up to the teacher dependent on course of the previous laboratory lessons
<b>Literature:</b>	<ol style="list-style-type: none"><li>1. Connolly, T. C. Begg: <i>Database Systems: A Practical Approach to Design, Implementation and Management</i>. Addison-Wesley Longman, 1998.</li><li>2. Date, C.J. and H. Darwen: <i>A Guide to SQL Standard</i>. Addison-Wesley, 1994.</li></ol>
<b>Course type:</b>	Lectures and laboratories
<b>Assessment method:</b>	Attendance, evaluation of small projects, exam
<b>Prerequisites:</b>	Database, SQL language
<b>Primary target group:</b>	computer science students of the 2-nd or 3-rd year
<b>Lecturer:</b>	Anna Plichta, DSc
<b>Contact person:</b>	Anna Plichta, DSc , <a href="mailto:aplichta@pk.edu.pl">aplichta@pk.edu.pl</a>
<b>Deadline for application:</b>	15 <sup>th</sup> of September
<b>Remarks:</b>	