

<b>COURSE SYLLABUS</b>	
<b>Academic Year: (2019/2020) Semester:(summer)</b>	
<b>Course Title</b>	Introduction to Databases Design
<b>Course Length</b>	30 h
<b>Marking Period</b>	Summer semester
<b>Number of credits</b>	3 ECTS credits
<b>Language of Instruction</b>	English
<b>Prerequisites</b>	Basic knowledge of operating systems, algebra, programming languages
<b>Course Description<sup>1</sup></b>	The course program contains the following subjects: introduction to database systems, database systems architecture, life cycle of the database system, data modelling, entity-relationship diagrams, transformation of the conceptual database schema to implementation schema.
<b>Course Competences/ Student Learning Outcomes</b>	Students should obtain knowledge of basic notions and concepts of the database technology which are necessary for correct design of databases. The students learn the fundamentals of database modelling and design.  Student hours balance: 15W + 15Lab + 15 literature studies + 15 preparation for the laboratory + 15 preparation for the exam = 75h. work = 3 ECTS
<b>Instructional Strategies</b>	lectures, multimedia presentation, laboratory exercises, electronic materials
<b>Assessment criteria</b>	Active participation in the laboratories and test on the computer
<b>Student final Evaluation</b>	exam, passing the laboratory
<b>Name of the Teacher</b>	Izabela Rojek
<b>Teacher Information</b>	E-Mail: izarojek@ukw.edu.pl Office Location: Room 206c, ul Kopernika 1 Office hours: Thursday 15:00 – 16:30
<b>Required Texts</b>	1. R. Elmasri, S. B. Navathe, Fundamentals of Database Systems, 6rd edition, Addison-Wesley, 2011 2. H. Garcia-Molina, J. Ullman, J. Widom, Database Systems: The Complete Book, 2 <sup>nd</sup> edition, 2008 3. S. Abiteboul, R. Hull, V. Vianu, Foundations of Databases, 2010
<b>Other Readings/ internet websites</b>	<a href="https://searchsqlserver.techtarget.com/definition/database">https://searchsqlserver.techtarget.com/definition/database</a> <a href="https://www.oracle.com/database/">https://www.oracle.com/database/</a> <a href="https://docs.oracle.com/en/database/oracle/oracle-database/index.html">https://docs.oracle.com/en/database/oracle/oracle-database/index.html</a>
<p>.....</p> <p style="display: flex; justify-content: space-between;"> <span>date</span> <span>teacher's signature</span> </p> <p>.....</p> <p style="display: flex; justify-content: space-between;"> <span>date</span> <span>coordinator's signature</span> </p> <p>.....</p>	

<sup>1</sup> Session Course Outline may change as needed, and shall be determined by the teacher. Content shall not change, and if so, students shall be given prior notice.