

Expert System					
Course code CIF61057	student workload 90 hours	credits (according to ECTS) 4,5	semester Sem. 5 & 7	frequency each odd-semester	duration 16 meetings
1	Types of courses <i>Elective</i>	contact hours 63 hours	independent study 27 hours	class size 40 students	
5	Prerequisites for participation Have completed Algorithms and Data Structures				
2	Learning outcomes IF-ILO-3 Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements. IF-ILO-7 Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks. IF-ILO-10 Graduates are able to analyze, design, build and evaluate an intelligent system that has the ability to learn from the environment.				
3	Subject aims Students are able to know and understand the basic concepts of expert systems Students are able to use expert system preparation methodology Students are able to use the knowledge acquisition method, knowledge representation method Students are able to use inference engine preparation methods and explain inference results Students are able to use methods to overcome data uncertainty Students are able to use a variety of current expert system development methods				
4	Teaching methods lectures, case study, class discussion, presentation				
6	Assessment methods assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment				
8	This module is used in the following degree programmes as well				
10	Responsibility for module				

11	Other information <ol style="list-style-type: none"><li data-bbox="225 241 1382 315">1. Marakas, George M., Decision Support Systems in the 21st Century, 2nd Edition, Prentice Hall, 2008<li data-bbox="225 331 1382 405">2. Russell, Stuart J. and Peter Norvig, "Artificial Intelligence A Modern Approach", Second Edition, Pearson Education, Inc., Upper Saddle River, New Jersey 07458, 2003.<li data-bbox="225 421 1382 495">3. Turban, Efraim & Aronson, Jay E., "Decision Support Systems and Intelligent Systems", 8th edition, Prentice Hall, Upper Saddle River, NJ, 2007
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