Fuzzy Logic						
Course code CIF61053		**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** Elective		**contact hours** 63 hours	**independent study** 27 hours	**class size** 40 students	
5	**Prerequisites for participation** Must have taken Algorithms and Data Structures course.					
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** 1. Able to understand the fuzzy concept 2. Able to understand fuzzy on various problems using a fuzzy approach and utilizing one of the fuzzy-based methods 3. Able to implement fuzzy on various problems using a fuzzy approach and utilizing one of the fuzzy-based 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**					

	1. Kwang H. Lee. 2005. First Course on Fuzzy Theory and Applications. Springer 2. Timothy J. Ross. 2004. Fuzzy Logic with engineering applications. John Wiley & Sons Ltd, 3. Kusumadewi, Sri; dan Purnomo, Hari. 2004. Logika Fuzzy untuk Pendukung Keputusan. Graha Ilmu, Yogyakarta.