

Module designation	IF440 Artificial Intelligence						
Semester(s) in which the module is taught	7						
Person responsible for the module	MOELJONO WIDJAJA MARLINDA VASTY OVERBEEK						
Language	Indonesian						
Relation to curriculum	1. Elective 1						
Didactic Methods	Lecture, Problem Based, Independent Learning						
Workload (incl. contact hours, self-study hours)	Total workload: 136.08 hours - 35.01 hours of synchronous lecture. - 84.06 hours of self-study and assignments in the form of essays. - 17.01 hours related to exam and self study						
Credit points	3 SKS (5.04 ECTS)						
Required and recommended prerequisites for joining the module	-						
Module objectives/intended learning outcomes	<table border="1"> <tr> <td></td> <td>I1</td> <td>Understand the concept of software and hardware integration, distributed system, and computer communication protocols.</td> <td>Students can apply the concept of artificial intelligence to application programs.</td> </tr> </table>				I1	Understand the concept of software and hardware integration, distributed system, and computer communication protocols.	Students can apply the concept of artificial intelligence to application programs.
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Content	This subject discusses the basic concepts of artificial intelligence and development, the concept follows the basic knowledge representation of knowledge, problem-solving techniques with search methods, and applications of intelligent systems applications in the field of artificial intelligence.						
Assessment Instrument	Written Test						
Study and examination requirements	The total average score for this subject : quiz (25%), midterm exam (25%), final exam (35%), group assignment (15%). Final score must be more than or equal to 55 (C).						

Reading list	<ol style="list-style-type: none"><li data-bbox="613 197 1346 296">1. Russell, S., Peter Norvig (2021), Artificial Intelligence: A Modern Approach, Edisi ke-4, New Jersey: Pearson Education.<li data-bbox="613 306 1346 405">2. Ross, Timothy J. (2010), Fuzzy Logic with Engineering Applications, Edisi ke-3, United Kingdom: John Wiley & Sons.<li data-bbox="613 415 919 445">3. Any online resources.
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