<table>
<tr><td colspan="7">Information Retrieval System</td></tr>
<tr><td colspan="2">Module course code
LM216</td><td>Student workload
2 x 50 minutes</td><td>Credits
2</td><td>Semester
4</td><td>Frequency
Every even semester</td><td>Duration
1 semester</td></tr>
<tr><td>1</td><td colspan="2">Type of course
a) Theory</td><td>Contact hours
14x @ 100 minutes</td><td>Independent study
50 minutes</td><td colspan="2">Class size
90 student</td></tr>
<tr><td>2</td><td colspan="6">Prerequisites for participation (if applicable)
-</td></tr>
<tr><td>3</td><td colspan="6">Learning Outcome
- Mastering Library and Information Theories, Communication Theories, and Theories of Other Sciences Relevant to the Development of Libraries, Information, Archives, Documentation and Museums;
- Able to apply logical, critical, systematic and innovative thinking in the context of the development or implementation of science and technology that pays attention to and applies humanities values in accordance with their field of expertise;
- Able to design, use and design ICT applications in the operationalization of libraries, information, documentation, archives and museums.</td></tr>
<tr><td>4</td><td colspan="6">Subject aims/Content
- Be able to explain the principles of information retrieval and web technology;
- Able to develop programming algorithm concepts with independent, quality and scalable performance;
- Able to analyze database management with a responsible attitude.
- Able to design programming in the library field information retrieval system.</td></tr>
<tr><td rowspan="3">5</td><td colspan="6">Teaching methods
Encounter 1
- Understand the definition of a digital library, lecture procedures, explanation of assignments, exams to be followed, types of questions and sources
- Lecture
- Discussion</td></tr>
<tr><td colspan="6">Encounter 2
- Understand and recognize the concept of information turning systems and web technology
- Lecture
- Discussion</td></tr>
<tr><td colspan="6">Encounter 3
- Understand and recognize information retrieval tools
- Lecture
- Discussion
- Practice</td></tr>
</table>

	- Practical
	Encounter 4 - Understand the cataloging and indexing relationships in information retrieval systems - Lecture - Discussion - Practical
	Encounter 5 - Understand and recognize HTML concepts - Lecture - Discussion - Practice
	Encounter 6 - Understand and recognize HTML concepts - Lecture - Discussion - Practice
	Encounter 7 - Understand and recognize HTML concepts - Lecture - Discussion - Practice - Practical
	Encounter 8 ***MIDTERM EXAM***
	Encounter 9 - Know and understand the concept of programming algorithm - Lecture - Discussion
	Encounter 10 - Know and understand the concept of programming algorithm - Lecture - Discussion - Practical
	Encounter 11 - Understand the principles of the PHP programming language - Lecture - Discussion - Practice
	Encounter 12 - Understand the principles of the PHP programming language - Lecture - Discussion

	- Practice
	Encounter 13 - - Understand the principles of the PHP programming language - Lecture - Discussion - Practice - Practical
	Encounter 14 - Understand the concept of database management in information retrieval systems - Lecture - Discussion
	Encounter 15 - Understand the concept of database management in information retrieval systems - Lecture - Discussion
	Encounter 16 - Final Examination
6	**Assessment methods** **Encounter 1** - Paper / - report - Discussion
	Encounter 2 - Paper / - Report - Discussion
	Encounter 3 - Paper / - Report - Discussion
	Encounter 4 - Paper / - Report - Discussion
	Encounter 5 - Paper / - Report - Discussion
	Encounter 6 - Paper / - Report - Discussion

	Encounter 7 - Paper / - Report - Discussion
	MIDTERM EXAM
	Encounter 9 - Paper / - Report - Discussion
	Encounter 10 - Paper / - Report - Discussion
	Encounter 11 - Paper / - Report - Discussion
	Encounter 12 - Paper / - Report - Discussion
	Encounter 13 - Paper / - Report - Discussion
	Encounter 14 - Paper / - Report - Discussion
	Encounter 15 - Paper / - Report - Discussion
	Encounter 16 Final Exam
7	**Responsibility for module/course** 1. Gema Rullyana, M.I.Kom.
9	**Other information** 1. Kowalski, G. (1999). Informational Retrieval Systems: Theory and Implementation. Boston: Kluwer Academic Publishers 2. Davis, C.H. (2011). Introduction to Information Science and Technology. Medford: Information Today Inc. 3. Taylor, A.G. (2009). The organization of information. London: Libraries Unlimited

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