

<b>Course</b>	<b>KNOWLEDGE MANAGEMENT IN PUBLIC ADMINISTRATION</b>		
<b>Language of Instruction:</b>	English	<b>Level</b>	II.
		<b>ECTS</b>	5
<b>Required Prerequisites:</b>	finished exams from the field of Informatics	<b>Number of hours</b>	15
<b>Holder</b>	Ljupčo TODOROVSKI, PhD.	<b>Semester</b>	Autumn or spring
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<b>Methods of teaching:</b>	<i>lectures and seminars</i>		
<b>Form of Assessment:</b>	<i>seminar work and an oral exam</i>		

### 1. Course aim

The aim of the course is to acquaint students with the types of systems and tools for knowledge management in state administration and their application. The goal of knowledge management is the integration of the existing explicit knowledge with the implicit one, the formalisation and structuring of the implicit knowledge and the development of protocols for the exchange of formalised knowledge. Students will become familiar with the informatisation aspect of knowledge management which focuses on the tools and methods for the recovery, formalisation, storage, access and exchange of knowledge, and wider aspects of knowledge recovery which includes the methodologies for knowledge assessment, intellectual property rights etc.

### 2. Course contents

1. Data storage
2. Data integration
3. Semantic data integration
4. Knowledge formalization, representation, storage and exchange: Formalisms for knowledge formalisation and representation, Methodologies for knowledge representation, exchange and sharing on the Semantic Web, Knowledge Bases
5. Data and knowledge access
6. Data mining and knowledge discovery in databases
7. Knowledge exchange and sharing: from Intranet through Portals to Semantic Web

### 3. Student obligations

Preparation and presentation of a seminar paper, active participation in the course and oral exam.