Study program: Business informatics and e-business

Course name: Database

Professor: Seres Laslo, PhD

Subject status: compulsory course

ECTS: 7

Requirements: Information technology, Programming

Aim of the course

The main aim of the course is for students to acquire basic knowledge on data models, database and database management systems. Students are familiarized with different approaches to physical and logical data modeling. Students are capacitated to apply the data management methods in business information systems.

Course outcomes

Students acquire practical knowledge on data management methods and techniques, database and database management systems.

Content of the course

Theoretical lectures

Access to data modeling and data models. The two most commonly used data models - the model of connection objects (model of types of entities and relations) and the relational data model Concept and characteristics of software for managing relational databases. Methodological aspects of database implementation.

Practical course work

MS SQL in accordance with ANSI standard

Literature

Могин, П., Луковић, И. (1996) "Принципи база података", (1-104) и (218-237); Стулос.

Могин, П., Луковић, И., Говедарица, М., "Принципи пројектовања база података", (2000). (2-11) и (17-48) (290-321) и (326-335) и (359-364) (542-555); Нови Сад, УНС

Лазаревић, Б., Марјановић, З., Аничић, Н., Бабарогић С. "Базе података" 2003 (11-24) и ((219-224), Београд, ФОН

Total number of active teaching classes	**Lectures: 30**	**Practical course work: 45**

Teaching methods

Presentations as part of standard lecture classes, presentation and analysis of case studies in smaller groups, workshops, and practice classes in the IT lab.

Evaluation (maximum points 100)

Pre-exam activities	Points	**Final exam**	Points
Active participation in lecture classes	5	Written exam	/
Active participation in practical course work	5	Oral exam	45
Colloquium 1	30	.....	
Colloquium 2	/		
Term papers	15		