

(Table 5.2) Course unit description

Study program: Informatics			
Type and level of studies: Master Academic Studies			
Course unit: INFORMATION SYSTEMS II (ENTERPRISE RESOURCE PLANNING)			
Teacher in charge: Stefanovic Nenad			
Language of instruction (<i>English or other foreign language</i>) English			
ECTS: 6			
Prerequisites: no			
Semester (<i>Winter Semester or Summer Semester</i>) Summer			
Course unit objective Master the basic concepts, methods, techniques and software tools related to business information systems and enterprise resource planning.			
Learning outcomes of Course unit Students will acquire the necessary theoretical and practical knowledge and skills related to business information systems and enterprise resource planning. The students will acquire knowledge and skills related to business analysis, data modelling, Data Warehousing, On-Line Analytical Processing, Performance Measurement, Reporting, Data Mining and self-service BI. Acquired knowledge and skills can be used for working on variety of BI projects, as well as for taking the official international exams in these domains.			
Course unit contents <i>Theoretical classes</i> Basics of business information systems; Enterprise resource planning; Case Studies; ERP project Management; Microsoft Sure Step methodology; Installation and Configuration of Dynamics NAV, Introduction to Dynamics NAV, Application Setup, NAV modules (financials, manufacturing, purchase, warehousing, human resources, Jobs, Sales & Marketing, Service, Resource Planning). <i>Practical classes</i> Each theoretical topic has its corresponding exercises and hands-on labs, where students work with NAV software package and real data. All students who pass the exam can obtain official Microsoft Dynamics Student Certificate.			
Literature 1. Bret Wagner, Ellen Monk , Concepts in Enterprise Resource Planning, Third Edition, Cengage Technology, 2008. 2. Laura Nicolas Lorente, Cristina Nicolas Lorente , Implementing Microsoft Dynamics NAV 2013, Packt Publishing, 2013. 3. Mark Brummel , Microsoft Dynamics NAV 2013 Application Design, Packt Publishing, 2014. 4. Chandru Shankar, Vincent Bellefroid , Microsoft Dynamics Sure Step 2010, Packt Publishing, 2011. 5. Official Microsoft literature (via Dynamics Academic Alliance program)			
Number of active teaching hours			Other classes
Lectures: 2	Practice: 2	Other forms of classes: 1	
Teaching methods: - Blended learning - Combination of classical and e-learning. - Interactive teaching with multimedia content. - Classroom and online lectures. - Usage of the Office 365 platform for document and content management, video conferencing, social networking and collaboration.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	4	oral examination	
Practical classes		written examination	
Tests	54	Project	30
Project	12		

Other		
Grade	No. of points	Description
10	91-100	Excellent
9	81-90	Exceptionally good
8	71-80	Very good
7	61-70	Good
6	51-60	Passing
5	0-50	Failing