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| UNIVERZITET „DŽEMAL BIJEDIĆ“ U MOSTARUEKONOMSKI FAKULTET I FAKULTET INFORMACIJSKIH TEHNOLOGIJAPOSLOVNA INFORMATIKA |
| **Subject:** | Information systems | Subject code: |
| **Academic level** | undergraduate level | Year: II / Semester: IV |
| **Professor** | Doc. Dr. Babovic Elmir |
| **Contact details** | tel.: + 387 61-279-219; elmir.babovic@edu.fit.ba |
| **Lectures/lab work** | Lectures: (weekly)3 | Exercises/lab work (weekly): 3  | Total: 210 |
| **ECTS:** | 7 ECTS |
| **Matična kvalifikacija:** | *Bachelor of Business IT (180 ECTS)* |
| **Status:** | Mandatory |
| **Pre-requirements:** |  |
| **Limitation:** | *Only students of "Business IT" study* |
| **ECTS justification:** | ECTS according to subject obligations and exam |
| **Subject aim:** | ***Introduction to concepts and problems of nowadays information systems. This subject will provide the foundation for learning different DSS technology, Planning and design of Business IS and e-business. Student is expected to become familiar with different terminology in the area.*** |
| **Specific competences description:** | Possibility to acquire, structure, filter and interpret different sets of business related data. Business system analysis. Application domain/project scope definition and abstraction gap handling. ICT tools for those concepts. IS management, IS components and processes management. Static and dynamical data handling and manipulation and business intelligence tools. Knowledge on DSS tools. Analysis and identification of system resources, processes, IS project management, identifying business requirements and error handling. Providing quality IS solution to business |
| **Subject overview:** | 1. IS definition and types
2. IS Components
3. Contemporary business computing
4. Functional IS
5. Inter-organisational IS
6. MIS
7. Corporate social networks
8. IS management
9. IS economy
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| **Learning methods:** | Lectures, presentations and practical assignments |
| **Students specific obligations:** | Project assignment |
| **Examination methods:** | Practical and oral exam, value factor defined by FIT rules |
| **Literature and materials:** | 1. Online materials on DLWMS system FIT
2. Turban E., McLean E., Information Technologies for management, Making Connections for strategic advantage, John Wiley & Sons, 2001,
3. Systems Analysis and Design Methods; Whitten, J.L.; Bentley, L.D.; Dittman, K.C.; McGraw-Hill; NY, 2004.
4. Modern Systems Analysis and Design; Hoffer J.A.; George J.F.; Valacich J.S.; 2003.
5. Requirements Analysis and System Design, Developing
6. Information Systems with UML, Maciaszek, L.; Adison Wesley; 2002.
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| **Quality control:** | Anonymous students questionnaire. |