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| **DZEMAL BIJEDIC UNIVERSITY OF MOSTAR****FACULTY OF ECONOMICS** |
| **Subject:** | **Business Decision Making Methods and Models** | **Code: AB305** |
| **Studies level, year of study, semester**  | academic undergraduate studies  | year: III / semester: 6 |
| **Lecturer:** | Aida Brkan-Vejzović , PhD, associate professor |
| **Contact details:** | Address: Dzemal Bijedic University of Mostar, Faculty of Economics email: aida.brkan@unmo.ba tel. 036/514-923  |
| **Total number of teaching hours:** | Lectures (weekly hours): 4 | Exercises (weekly hours): 3 | Total number of hours: 105 |
| **ECTS points:** | 7 ECTS |
| **Degree:** | Bachelor of Economics |
| **Subject status:** | Core |
| **Preconditions for the subject:** | None |
| **Limitations:** |  |
| **Justification for the assigned ECTS:** | Number of ECTS points corresponds to the number of hours necessary for teaching hours and exam preparation.  |
| **Objective of the subject:** | Ability to recognize the affiliation of certain problem situations to a certain model for which some methods and decision-making techniques has been already developed, as well as the ability to apply these methods and techniques to the needs of practical problems. |
| **Generic and specific competencies (knowledge and skills) / learning outcomes:**  | 1. Define and correctly interpret basic concepts of different business decision-making methods in business. 2. Explain and interpret postulates of business decision-making methods.3. Use fundamental theoretical and software achievements in the area of business decision-making. 4. Use and explain appropriate business decision-making models and apply them to empirical data. 5. Use software support to evaluate and analyse applied business decision-making methods and models. 6. Analyse and interpret results and implement business decision-making models and methods on empirical data. 7. Critically analyse and interpret researches, discussions and other activities in the field of business decision-making methods and models. |
| **Subject's content:** | 1. Linear programming theory2. Games theory and strategic games3. Decision-making methods in the conditions of risk and uncertainty 4. Stohactic Modeling 5. Queueing Theory6. Network Planning |
| **Teaching methods:** | Lectures, exercises, case study |
| **Other requirements for the students** |  |
| **Structure of final grade**  | active participation in all forms of classroom activities 5%the first test: 35%the second test: 30%case studies: 10%final exam: 20% |
| **Literature:** | 1. Zahirović S., Kozarević S., (2005), *Metode optimizacije u poslovnom odlučivanju - Osnove determinističkog modeliranja*, Infograf, Tuzla2. Babić, Z., (2011), *Modeli i metode poslovnog odlučivanja*, Ekonomski fakultet, Split3. Hillier, F.S., Lieberman, G.J., *Introduction To Operations Research*, McGraw-Hill, New York, 2001. |
| **Quality control of successfulness of teaching** | Anonymous survey among students about quality of teaching |