Course title: Mathematic and statistical research methods in geography and tourism (DGT102)

Professor: Hadzic L. Olga, PhD

Course status: elective

ECTS: 11

Requirements: None

Learning objectives:
Introduction to advanced statistical methods used in natural sciences, with a focus on geography and tourism.

Learning outcomes:
Mastering the selected statistical methods and ability to solve practical problems by using statistical software.

Course content
Regression – linear, non-linear, multiple, non-parameter methods, analysis of principle components, cluster analysis, correspondence analysis, models applicable in geography and tourism.

Suggested literature
1. З. Лозанов-Црвенковић, Статистика, скрипта
2. З. Лозанов-Црвенковић, Б. Суботић, Пословна статистика, Мегатренд университет, Факултет за менаџмент у Зајечару, 2006.

Number of classes of active lecture classes: 4 (60)

Study research task:

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<th>Grade (maximum number of points 100)</th>
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<tr>
<td>Pre-examination tasks</td>
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<td>Essay</td>
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Methods of lecturing
Classical lecturing methods used in class, supported by computers for illustrative content. Theoretical lectures and practical tasks using statistical software: Excel, Statistica, Mathematica, SPSS.