



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Form SP2

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| Subject code: FG-401.5-1 | Subject name: GEOGRAPHY OF NATURAL DISASTERS AND CATASTROPHES | | |
| Ciklus: I | Year: IV | Semester: VIII | ECTS credits: 5 |
| Status: <i>mandatory/optional</i> | | Contact hours: 125 <i>Lectures: 25 Exercises: 25 Seminars: 10</i> | |
| Assigned professors and assistants: | | | |
| Prerequisites: | / | | |
| Subject objectives: | <i>Training students to interpret the genesis of natural disasters, their classification and prediction. Teaching students to understand the essence of physical-geographical stresses and their impact on demographic and technogenic processes on Earth.</i> | | |
| Teaching units: | <ol style="list-style-type: none"> 1. Definition, object, subject and importance of natural disasters in geography 2. Egzodynamic natural disasters 3. Slope processes: landslides and attrition - the occurrence and consequences 4. Weather conditions 5. Floods and flood consequences 6. Nival disasters 7. First test 8. Tropical cyclones 9. Geographical distribution of tropical cyclones and their consequences 10. Eolian weather conditions 11. Oceanographic disasters 12. Anthropogenic causes of disasters 13. Tectonic (endodynamic) natural disasters 14. Geographical distribution of tectonic disasters 15. Disasters databases | | |
| Learning outcomes: | <p>Knowledge: <i>The student will be able to interpret the genesis of natural disasters, determine the causes of natural disasters and catastrophes, the student will know how to explain the diffusion, its consequences and suggest preventive measures.</i></p> <p>Skills: <i>The student will be able to recognize and analyze the phenomena and processes crucial for the stability of the geosystem. The student will know how to assess the risk of natural disasters.</i></p> | | |



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| | <p>Competencies: <i>The student will be able to independently recognize and analyze natural disasters and catastrophes, and independently present information and data in written and verbal form.</i></p> | | | | | | | | | | | | |
| <p>Teaching methods:</p> | <p><i>Lectures are theoretical and practical based on the interpretation, interpretation and analysis of natural disasters and catastrophes.</i></p> | | | | | | | | | | | | |
| <p>Knowledge testing methods with grading structure ¹:</p> | <p>Knowledge assessment - criteria: <i>Lecture and exercise attendance: maximum 5 - minimum 3 points</i> <i>activity in class: maximum 5 - minimum 3 points</i> <i>seminar paper on selected topic: maximum 10 - minimum 5 points</i> <i>middle term exam: maximum 40 - minimum 22 points</i> <i>final exam at the end of the semester: maximum 40 - minimum 22 points</i></p> <p><i>Total 100 points, passing requirement: 55 points minimum.</i></p> <p><i>Grading: (grade, ECTS grade, number of points)</i></p> <table border="0"> <tr> <td><i>10 (A) excellent</i></td> <td><i>95-100</i></td> </tr> <tr> <td><i>9 (B) very good</i></td> <td><i>85-94</i></td> </tr> <tr> <td><i>8 (C) good</i></td> <td><i>75-84</i></td> </tr> <tr> <td><i>7 (D) fair</i></td> <td><i>65-74</i></td> </tr> <tr> <td><i>6 (E) passing</i></td> <td><i>55-64</i></td> </tr> <tr> <td><i>5 (F, FX) failing</i></td> <td><i><55</i></td> </tr> </table> | <i>10 (A) excellent</i> | <i>95-100</i> | <i>9 (B) very good</i> | <i>85-94</i> | <i>8 (C) good</i> | <i>75-84</i> | <i>7 (D) fair</i> | <i>65-74</i> | <i>6 (E) passing</i> | <i>55-64</i> | <i>5 (F, FX) failing</i> | <i><55</i> |
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| <p>Literature²:</p> | <p>MANDATORY: <i>Spahić, M. (1999): Osnovi geoekologije (geografske osnove životne sredine), Harfo-graf Tuzla.</i> <i>Nakić, Z. (2010): Skripta Geologija okoliša, Zagreb.</i> <i>Hrvatović, H. (2014): Identifikacija i procjena geoloških hazarda.</i> http://www.msb.gov.ba/dokumenti/AB38725.pdf</p> <p>RECOMMENDED: <i>John C. Pine. (2009): Natural Hazards Analysis- Reducing the Impact of Disasters.</i> http://www.taylorandfrancis.com</p> | | | | | | | | | | | | |

¹ The structure of points and point criteria for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught in accordance with Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

² The Senate of the higher education institution as an institution or the council of the organizational unit of the higher education institution as a public institution determines mandatory and recommended textbooks and manuals, as well as other recommended literature on the basis of which exams are prepared by a special decision which must be published on its website before the beginning of the academic year in accordance with Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton