Subject code: FG-204.1-3	**Subject name:** Hydrography of the mainland		
Study cycle: I	**Year:** II	**Semester:** III	**ECTS credits:** 5
Status: Mandatory		**Contact hours:** 60 Lectures: 30 Exercises: 30	

Assigned professors and assistants:	Teachers and associates selected in the field to which the subject belongs
Prerequisits:	/
Subject objectives:	Objects of study of hydrosphere are finding processes and phenomena that are consequence of state physical geographic factors in a given geographical expanses. Students will gain knowledge about water in underground streams, lakes and water in ice, they will recognize the essence of the impact of inland waters on the processes that are relevant to physical geographical processes and phenomena.
Teaching units:	1. Hydrography. Object, subject, classification and tasks. 2. Hydrogeology. The free groundwater. 3. The sources and springs. 4. Potamology. 5. River system and river network. 6. The river valley. 7. The dynamics of river water. River regimes and water balance. 8. First test. 9. Limnology. 10. The genesis and evolution of the lake. 11. Water in lake basins. Physical and chemical properties of lake water. Lake water dynamics. 12. Glaciology. Types of the glacier. 13. The geographical distribution of ice on Earth. 14. Talmatology. Origin and types of wetlands. 15. Wetland hydrological system.
Learning outcomes:	**Knowledge:** • the student critically learns about hydrological processes and phenomena that are a consequence of the state of physical-geographical factors of a certain geographical area; • the student identifies all the essential elements related to groundwater, streams, lakes, ponds and wetlands and water in the form of ice;

<table>
<tr><td></td><td>

- the student explains the relationship between physical and geographical processes and phenomena and their impact on inland waters;

Skills:

- the student independently performs tasks related to morphometric characteristics in the river and lake basin;
- the student independently performs tasks related to the analysis of the elements of the river regime and the calculation of the water balance;
- the student assesses the mutual influences of physical-geographical factors in the river basin;

Competencies:

- the student independently interprets hydrological concepts, water properties and characteristics of inland waters;
- the student independently determines and causally considers the main patterns in the course of hydrological processes and phenomena in the Earth's water mantle.

</td></tr>
<tr><td>Teaching methods:</td><td>Multimedia presentation and discussion (lectures); practical work, educational material analysis and discussion (exercises).</td></tr>
<tr><td>Knowledge testing methods with grading structure[1]:</td><td>

	Maximum Points	*Minimum points*
Attendance	5	3
Participation on lectures	5	3
Tests	40	22
Seminar paper	10	6
Final exam	40	21
TOTAL	100	55

Assessment:

Grade	*ECTS grade*	*Points scale*
10	(A) excellent	95 - 100
9	(B) very good	85 - 94
8	(C) good	75 - 84
7	(D) satisfactory	66 - 74
6	(E) sufficient	55 - 64
5	(F, FX) insufficient	55

</td></tr>
</table>

[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

Literature[2]:	**Mandatory:** 1. Spahić, M. (2013): Hidrologija kopna, Sarajevo publishing, Sarajevo. 2. Korjenić, A., Temimović, E. (2016): Praktikum iz Hidrografije kopna I, Prirodno-matematički fakultet u Sarajevu, Sarajevo. **Recommended:** 1. Dukić, D. (1988): Hidrologija kopna, Naučna knjiga, Beograd. 2. Riđanović, J. (1989): Hidrogeografija, Školska knjiga, Zagreb.

[2] The Senate of the higher education institution as an institution or a 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 act which is required to 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.