



Subject code: FG-204.2-3	Subject name: Oceanography		
Study cycle: I	Year: II	Semester: IV	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		
Prerequisites:	/		
Subject objectives:	During the teaching-scientific process it is necessary to acquire knowledge about the World Ocean unity and division, physical and chemical characteristics of sea water; dynamic processes and phenomena in it; relief bottom of the World ocean and some of its parts; mutual processes and phenomena between the hydrosphere and others geosphere, especially the atmosphere.		
Teaching units:	<ol style="list-style-type: none">1. Oceanography - object, subject definitions, classification and tasks.2. The geographical boundaries of individual oceans.3. Horizontal division of the World Ocean.4. Relief bottom of the World Ocean.5. Sediments of the Ocean floor6. Basic chemical characteristics of seawater.7. Surface and depth distribution of salinity in the World Ocean.8. The basic physical characteristics of seawater.9. First test.10. Dynamical properties of the World sea. Waves.11. Sea times.12. Sea and ocean currents.13. The general scheme of currents in the World Ocean.14. The level of the World Ocean.15. Basic characteristics of the oceans and seas.		
Learning outcomes:	Knowledge: <ul style="list-style-type: none">• students acquire basic knowledge and understanding of the interdependence of natural sciences (physics, chemistry, biology, geology) in marine and ocean research;• students master the knowledge of the World Ocean, unity and division, physical and chemical properties of sea water; dynamic processes and phenomena in it; the relief of the bottom of the World Ocean and certain parts of it;		



	<ul style="list-style-type: none"> students critically understand and explain the mutual processes and phenomena between the hydrosphere and other geospheres, and especially the atmosphere and their impact on the World Ocean. <p>Skills:</p> <ul style="list-style-type: none"> the student independently performs tasks related to the indentation of the sea and ocean coast and the analysis of the relief of the sea and ocean floor; the student independently performs tasks related to the analysis of physical and chemical properties of the world's oceans; the student assesses the mutual influences of physical-geographical factors on the dynamics of the World Ocean water; <p>Competencies:</p> <ul style="list-style-type: none"> the student independently interprets the hydrological concepts, properties and dynamics of the water of the World Ocean; the student independently determines and causally considers the main patterns in the course of hydrological processes and phenomena in the Earth's water mantle, with special emphasis on the World Ocean. 																																							
<p>Teaching methods:</p>	<p>Multimedia presentation and discussion (lectures); practical work, educational material analysis and discussion (exercises).</p>																																							
<p>Knowledge testing methods with grading structure¹:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;"><i>Maximum Points</i></th> <th style="text-align: center;"><i>Minimum points</i></th> </tr> </thead> <tbody> <tr> <td>Attendance</td> <td style="text-align: center;">5</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Participation on lectures</td> <td style="text-align: center;">5</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Tests</td> <td style="text-align: center;">40</td> <td style="text-align: center;">22</td> </tr> <tr> <td>Seminar paper</td> <td style="text-align: center;">10</td> <td style="text-align: center;">6</td> </tr> <tr> <td>Final exam</td> <td style="text-align: center;">40</td> <td style="text-align: center;">21</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: center;">100</td> <td style="text-align: center;">55</td> </tr> </tbody> </table> <p>Assessment:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th><i>Grade</i></th> <th><i>ECTS grade</i></th> <th><i>Points scale</i></th> </tr> </thead> <tbody> <tr> <td>10</td> <td>(A) excellent</td> <td>95 - 100</td> </tr> <tr> <td>9</td> <td>(B) very good</td> <td>85 - 94</td> </tr> <tr> <td>8</td> <td>(C) good</td> <td>75 - 84</td> </tr> <tr> <td>7</td> <td>(D) satisfactory</td> <td>66 - 74</td> </tr> <tr> <td>6</td> <td>(E) sufficient</td> <td>55 - 64</td> </tr> </tbody> </table>		<i>Maximum Points</i>	<i>Minimum points</i>	Attendance	5	3	Participation on lectures	5	3	Tests	40	22	Seminar paper	10	6	Final exam	40	21	TOTAL	100	55	<i>Grade</i>	<i>ECTS grade</i>	<i>Points scale</i>	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
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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



	5	(F, FX) insufficient	55
Literature²:	Mandatory: 1. Spahić, M. (2005): Okeanografija, Posebna izdanja GD FBiH, Harfo-graf, Tuzla. Recommended: 1. Temimović E., Korjenić A., Jahić H. (2018): Tektonska geomorfologija, PMF, Univerzitet u Sarajevu, Sarajevo. 2. Rajčević, V., Crnogorac, Č. (2011): Praktikum iz hidrologije (II dio – Limnologija i Okeanologija); Geografsko društvo Republike Srpske, Banja Luka. 3. 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.