

COURSE		WATER SUPPLY AND SEWERAGE SYSTEM		
LECTURER		Assoc. prof. Suvada Jusić Ph.D.		
STUDY	STATUS	SEMESTER	NUMBER OF LESSONS L+E	ECTS
B – C.E.	Compulsory	5	3+2	6
OBJECTIVES				
<ul style="list-style-type: none"> □ To introduce students to the basic principles of planning, design, construction and maintenance of all elements of the system of water supply and sewerage system. □ To introduce students to the role, structures and principles of drinking water treatment and wastewater treatment. 				
LEARNING OUTCOMES				
<ul style="list-style-type: none"> □ Training students for independent application of theoretical knowledge for the planning, design, construction and maintenance of all elements of the of water supply system and sewerage system. 				
COURSE CONTENT				
<ul style="list-style-type: none"> □ The historical development. Components and classification of water supply systems. Planning principles: planning period, consumption and required water quality. Sources of supply: the appearance of water in the nature, characteristics of sources and catchment areas. Intake structure. Pumping installations: function, types, pump stations. Tanks: function, volume, forms. Supply pipelines and distribution networks: the basics of dimensioning, pipe materials. Home installations. The role of station for drinking water preparation, as part of the water system. □ The historical development. Sewer systems. The types and quantities of waste water: water used - characteristics, relevant quantities; storm water - relevant characteristics for the design of sewage precipitation, runoff coefficients; the rest water. Sewage buildings and drainage street. The sewerage network of settlements (routing, basics of dimensioning, pipe material and base construction). Facilities and equipment of sewage system. The role of waste water station for treatment, as a fundamental part of the sewer system. 				
RECOMENDED LITERATURE				
<ol style="list-style-type: none"> 1. Ćorović A. (1989): <i>Snabdijevanje vodom</i>, Građevinski fakultet u Sarajevu. 2. Ćorović A. (2000): <i>Odvođenje otpadnih voda</i>, Univerzitet Crne Gore Podgorica. 3. Margeta J. (2009): <i>Kanalizacija naselja</i>, Građ. fak. Sveučilišta u Splitu, Split. 4. Margeta J. (2010): <i>Vodoopskrba naselja</i>, Građ. fak. Sveučilišta u Splitu, Split. 				
Examination:				
<p>The exam is taken literacy first and second partial exam. In addition to the exam, students are required to do the tests.</p> <p>Scoring is done as follows:</p> <ul style="list-style-type: none"> • Partial written examinations: 2 x 42 points. Exam makes theoretical part (32) and task (10). • Tests: 2 x 8 points. • The total maximum number of points: $2 \times 42 + 2 \times 8 = 100$ <p>Students who throughout the school year pass a written exam are allowed to take the exam at the next part which did not pass, and score them form:</p> <p>50% of the points awarded during the classes + 50% points achieved on the exam.</p> <p>If a student realizes min 55% from both parts, final score will be formed to a scale prescribed by the Law on Higher Education.</p> <p>Cancelling exams: Students who passed both partial exams, but not satisfied with the result achieved in one examination, can annul it and do it again on makeup or final exam.</p>				