Level: PhD

Course title: Drinking Water Quality Control

Status: elective

ECTS: 15

Requirements: none

Learning objectives

Broad knowledge in the field of water resources, preparation and control of drinking water quality and enabling students to perform independent quality control of drinking water.

Learning outcomes

After completing the course, students will be able to independently apply the skills necessary to control drinking water quality, apply their knowledge to modernized conventional and new techniques for the treatment of drinking water.

Syllabus

Theoretical instruction

The study of Serbian water strategies. Analysis of drinking water resources in quantitative and qualitative terms, control of drinking water quality, the study of modernized conventional and new techniques for the treatment of drinking water (separation, chemical diffusion methods, water disinfection, treatment by-products); removal of specific substances from water in drinking water preparation. Case studies- problems and solutions.

Practical instruction

Visit to water treatment plants and study of process efficacy.

Weekly teaching load				Other:
Lectures: 5(75)	Exercises:	Other forms of teaching:	Student research: 5(75)	