Course Unit Descriptor

Study Programme: PHYTOMEDICINE			
Course Unit Title: Disinfectants, Preservatives and Biocidal Products for General Use			
Course Unit Code:19.FT2022			
Name of Lecturer(s): Ass. Prof. Dušan Marinković, PhD Prof. Vojislava Bursić, PhD			
Type and Level of Studies: UNDERGRADUATE ACADEMIC STUDIES			
Course Status (compulsory/elective): elective			
Semester (winter/summer): winter			
Language of instruction: English, Serbian			
Mode of course unit delivery (face-to-face/distance learning): face to face			
Number of ECTS Allocated: 6			
Prerequisites:-			
Course Aims: Students gets basic knowledge and skills from the course content, which provides information about disinfectants, preservatives and biocidal products for general use, as well as their detection, which are not included in biocidal products for pest control			
Learning Outcomes: The student is qualified for independent theoretical, practical, field and scientific research work by applying the acquired knowledge in the field of disinfectants, preservatives and biocidal products for general use.			
Syllabus: *Theory* General information about biocidal products. Introduction and classification. National and European Union regulations regarding biocidal products. Disinfectants (biocidal products for personal hygiene, disinfectants and other products used in households and public health facilities, biocidal products for veterinary hygiene, disinfectants used for surfaces that come into contact with food for humans and animals, disinfectants in water for drinks) and biocidal products for general use, preservatives and other types of biocidal products *Practice* Analytical techniques for determining disinfectants, preservatives, antioxidants, dyes in biocidal products for general use (correct sampling in accordance with national and EU regulations, homogenization of samples, preparation of samples for analysis, setting of validation parameters, extraction procedures of certain analytes, detection procedures (volumetric, spectrophotometric and chromatographic techniques including gas and liquid chromatography with tandem mass spectrometry).			
Required Reading: Fanali C., Haddad П.P. (2017). Liquid Chromatography: Fundamentals and Instrumentation (Handbooks in Separation Science), Elsevier; 2 edition.			
Weekly Contact Hours:	**Lectures:3**	**Practical work:3**	
Teaching Methods: Lectures, Practice/ Practical classes, Demonstrations, Consultations			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	**Final exam**	points
Active class participation	5	written exam	
Practical work	5	oral exam	40
Preliminary exam(s)	20	…….	
Seminar(s)	30		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			