

		UNIVERSITY OF EAST SARAJEVO Faculty of Technology						
		Study program: Chemical Engineering and Technology / Occupational safety and fire protection						
Course title		TECHNOLOGY, EQUIPMENT AND PRODUCT SAFETY						
Department		Department of Food Technology - Faculty of Technology						
Course code		Status		Semester		ECTS		
TF-1-2HIT-02-2-077-1-6-2-2-0		elective		I		6		
Teacher		Dragan Vujadinović, PhD, Assistant Professor						
Teaching assistant		Milan Vukić, M.Sc, Senior Assistant						
Number of classes/ teaching workload (per week)			Individual student workload (in hours per semester)			Student workload coefficient S _o		
P	AV	LV	P	AV	LV	S _o		
2	2	0	45	45	0	1.50		
total teaching load (in with has, term) 2 * 15 + 2 * 15 + 0 * 15 = 60 h			total student workload (in hours, the term) 2 * 15 * 1.50 + 2 * 15 * 1.50 + 0 * 15 * 1.50 = 90 h					
total load of the object (teaching + student): 60 + 90 = 150 hours per semester								
Learning outcomes		Student will demonstrate knowledge / ability to: 1. understand the safety requirements of equipment, technology and consumer products; 2. prepare technical documentation on safety of equipment and products; 3. perform risk assessment for equipment, technologies and workplaces; 4. manage risks, proposes technical solutions.						
Conditionality								
Teaching methods		Lectures, auditory exercises,						
Syllabus outline per week		1. Introduction. Fundamentals of a new approach to the safety of consumer equipment and products in national technical legislation - requirements of European directives. 2. Harmonized standards. 3. General product safety. 4. The procedure for determining the conformity of products with the essential requirements of European directives. 5. Models of global approach. 6. Required technical documentation. 7. Risk assessment for consumer equipment and products. 8. Conditions for marking equipment and products with the "CE" mark. 9. Product control at manufacturers and users. 10. Ways to reduce and manage the remaining risk that could not be eliminated by known technical solutions. 11. Responsibilities and obligations: manufacturer, authorized representative and importer. 12. Responsibilities and obligations: distributors, constructors and installers, authorized laboratories, employers and users, for placing equipment and products on the market. 13. Safety of laboratories, test stations and equipment. 14. Chemical and other hazards. Waste management. 15. Common characteristics, prevention and types of industrial accidents.						
Obligatory literature								
Author / s		Title of publication, publisher			Year	Pages (from-to)		
Machida, S.		Safety and health, in the use of chemicals in the workplace, International Labor Organization; Geneva			2013	1-16		
Baah, AA		Manual on Biosafety in the Laboratory, Third Edition, World Health Organization, Geneva			2004	1-170		
Machida, S.		Checkpoints for the Prevention of Stress at Work, Office of the International Labor Organization, Geneva			2012	1-138		
Blagojević, D.		Safety and health at work, book 1. General part, Higher Technical School of Vocational Studies, Nis			2011	1-145		
Supplementary literature								
Author / s		Title of publication, publisher			Year	Pages (from-to)		
Reese, CD		Industrial Safety and Health for Administrative Services, Taylor & Francis Group, LLC, Boca Raton			2009	1-440		
Reese, CD		Industrial safety and health for infrastructure services,			2009	1-550		

	Taylor & Francis Group, LLC, Boca Raton		
Obligations, assessment methods and grading system	Type of studentevaluation	Points	Percentage
	Pre-exam obligations		
	Attendance	6	6%
	Mid-term test I	20	20%
	Mid-term test II	20	20
	Auditory exercises	24%	24%
	Final exam (oral)	30	30%
	TOTAL	100	100%
Web	www.tfzv.ues.rs.ba		
Date			