Course Title	**Health and Safety at work**				
Course Code	ABS203				
Course Type	Compulsory				
Level	BSc (Level 1)				
Year / Semester	2nd year / 3rd Semester				
Teacher's Name	Vasso Peristiani				
ECTS	6	Lectures / week	3	Laboratories / week	2
Course Objectives	The course aims to analyze the basic principles and rules governing Health and Safety in the workplace. Having as a baseline the requirements of the Legislative and Regulatory framework for the protection of the safety and health of employees, emphasis is placed on the analysis of all possible health and safety risks as well as the measures to prevent and mitigate these risks. Through real examples and statistics of occupational accidents and occupational diseases, the course aims to inform and raise awareness among students about the importance of Health and Safety at work and its benefits for employees, businesses and society as a whole.				
Learning Outcomes	At the completion of the course the students will be able to: • know the basic obligations of both the employer and the employee regarding ensuring and promoting safety and health at work. • know the principles of Good Laboratory Practice (GLP). • assess risks at work (the effects of risks, prevention, general principles of the importance of prevention, dealing with risks). • carry out a risk assessment and take risk mitigation measures. • recognize the concept of occupational accident and occupational disease (reporting, investigation and recording). • set out the principle of employer liability, criminal and administrative sanctions and the basic legislative framework for worker safety and health. • check and apply the minimum requirements of the work countries by evaluating the necessary physical work factors. • organize training activities **for enhancing their communication skills, conveying the right messages,** as well as exercises for emergencies (fire, earthquake, etc.). • search, analyze and synthesize data and information, using the necessary technologies in the field of prevention and health and safety measures of workers from occupational risks. • design and manage ISO 45001 quality programs.				
Prerequisites	None	Required	None		
Course Content	<u>Theory</u> Introduction to Safety and Health at Work. Legislative and Regulatory Framework for the protection of the safety and				

	health of employees and the prevention of occupational risk. GLP Basics. Workplace specifications. Means of personal protection. Safety and/or health marking. Occupational risk assessment – identification of hazards, risk assessment and determination of control measures. Occupational hazards from physical, chemical and biological agents. Principles of Ergonomics and Musculoskeletal diseases. Classification, labelling, storage and disposal of hazardous and toxic substances. Occupational health and safety management systems. <u>Laboratory practicals:</u> Reports /demonstrations/workshops / case studies on good and bad laboratory practices/oral presentations based on selected literature articles
Teaching	The teaching of the course includes lectures for the delivery of the theoretical background and practical exercises for a better understanding and consolidation of the theory. The teaching uses detailed notes, rich in images and audio-visual material, with the aim of better understanding the basic principles of safety and health and during the course there are discussions with questions and answers and students are involved in discussions and drawing conclusions. Related problems are presented and solved in class but also given to students for further practice at home. In the context of developing the students' skills, practical exercises are carried out to assess and record the specifications and configuration of workplaces as well as risk assessment of existing workplaces. PowerPoint and image-rich material and short animations are used to better understand the topics particularly the requirements of the relevant legislations.
Bibliography	<u>Textbooks:</u> 1. Kontogiannis Thomas, 2017. Ergonomic approaches to security administration and management. Giola Publications 2. Federation of Employers & Industrialists (OEB), 2015, Labor Relations Officer Handbook: Safety and Health in the Workplace 3. ISO45001:2018 Occupational health and safety management systems <u>(b) References:</u> 1. The Occupational Safety and Health Law of 1996 (Law 89(I)/1996) 2. K. Gardiner, JM 2011. Harrington, Occupational Health. Scientific Publications PARISIANOU S.A. 3. Gilbert Ray, 2008. A quick guide to health and safety. Woodhead Publishing Limited. 4. Terry Jo Gile and Dan Scungio, 2014, Complete Guide to Laboratory Safety. HCPro *Through the services of the university library, access is provided to electronic repositories of scientific journals and articles, indicatively* ***ProQuest, Cambridge University Press*** and ***Science Direct*** *with thousands of scientific journals in the fields of health sciences.*
Assessment	Course Work 40%

	• Mid-term Test 20% • Workshops/presentations 20% • Final Exam 60% For student evaluation, the overall grade is determined by a written midterm exam (20%), workshops/presentations (20%) and a written final exam (60%). The mid-term exam is carried out between the 6th and 8th week and it mainly includes short answer- questions and problem- solving questions and examines specific modules of the course. Assess students' participation in class for the workshops/presentations where face to face discussions on selected topics will give them the opportunity to learn/criticize the scientific background. Home assignments will either be a scientific review on those topics and/ or challenge the students on solving case studies. The final exam of the course is carried out during the 14th-16th week of each semester and includes short answer questions, decision questions, and problem-solving questions regarding all course modules. The final assessment of the students is formative and summative and is assured to comply with the subject's expected learning outcomes and the quality of the course.
Language	Greek, English