SAFETY AND WORKPLACE HYGIENE

1. GENERAL

SCHOOL	AGRICULTURAL SCIENCES		
ACADEMIC UNIT	AGRICULTURE		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	AGR_1009	**SEMESTER OF STUDIES**	10th
COURSE TITLE	Safety and Workplace Hygiene		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures	3	
Seminars	1	
Total	4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	general background, specialised general knowledge, skills development
PREREQUISITE COURSES:	There are no prerequisite courses.
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	-
COURSE WEBPAGE (URL)	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Upon completion of the course students will:

- Have been introduced to the basic principles of Hygiene and Safety in the workplace
- They will be able to properly utilize these principles to the benefit of the workplace in which they provide their services.
- Have the knowledge and skills to meet the ever-increasing hygiene and safety needs as well as prevent and repress abusive behaviors in the workplace

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	*Project planning and management*
Adapting to new situations	*Respect for difference and multiculturalism*
Decision-making	*Respect for the natural environment*
	Showing social, professional and ethical responsibility and sensitivity to gender issues

Working independently	*Criticism and self-criticism*
Teamwork	*Production of free, creative and inductive thinking*
Working in an international environment	*……*
Working in an interdisciplinary environment	*Others…*
Production of new research ideas	*…….*

At the end of this course the student will have further developed the following skills (general skills):
1. Search, analyze and synthesize data and information using the necessary technologies
2. Adaptation to new situations.
3. Decision making.
4. Respect for the natural environment
5. Project planning and management

3. SYLLABUS

Theoretical part

1. Basic Knowledge on Safety and hygiene at Work. Introduction to work safety.
2. The role of the state and other hygiene and safety organizations in the workplace. General principles of our national law on occupational safety and hygiene.
3. Summary of national legislation and EU directives on occupational hygiene and safety (constitutional law, labor law, environmental protection)
4. Responsibilities and organization of the Technical Security Service. Organizing inspection and control procedures-Checklists.
5. Occupational risk assessment. Causes of accidents. Methods of accident and hazard analysis at work. Record and edit accident data
6. Basic principles of training workers on hygiene and safety at work
7. Factors shaping Working Conditions. Manage security system in business
8. Building requirements and workplace infrastructure. Ventilation - workplace air conditioning. Workplace lighting
9. Thermal environment and work. Workplace physical agents (noise, vibration, electromagnetic radiation, ionizing radiation)
10. Chemical - Toxic Agents in the Workplace. Carcinogenic agents in the workplace.
11. Biological factors in the workplace
12. Measurements of Physical and Chemical Harmful Factors
13. Sources of information on Occupational hygiene and Safety issues

Workshop (Indicative exercises)

1. Ergonomics of spaces.
2. Workplace signaling. Fire protection
3. Work equipment - General safety principles. Individual work equipment
4. Organization of Technical Security Services. Occupational Risk Assessment
5. Small and Large Accident Safety Study

4. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face to face lectures.
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES *Use of ICT in teaching, laboratory education, communication with students*	Use of ICT (powerpoint) in teaching. Workplace risk factors methodology.
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.*	

Activity	***Semester workload***
Lectures (3 contact hours per week x 13 weeks)	39
Seminars (1 contact hour per week × 13 weeks) with personal reports	13
Final examination (3 contact hours)	3
Study hours, preparation for final exams and project writing	70

The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS	Course total — ***125 hours total workload***
STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other.* *Specifically, defined evaluation criteria are given, and if and where they are accessible to students.*	1.Course attendance - Participation in the classroom 2. Final written examination of all the material with multiple choice, right-wrong, and short development questions to be used for overall student assessment in conjunction with the results of workshop assignments. Minimum passing grade: 5. 3. All the above are taking place in Greek.

5. ATTACHED BIBLIOGRAPHY

1. Jeremy Stranks, Μάνατζμεντ Ασφάλειας και Υγείας των Εργαζομένων (Επιμέλεια: Κατερίνα Αδάμ, Δημήτρης Ναθαναήλ), 2017. ROSILI ΕΜΠΟΡΙΚΗ - ΕΚΔΟΤΙΚΗ Μ.ΕΠΕ. ISBN 978-618-5131-34-0
2. Μαρχαβίλας Παναγιώτης, Διαχείριση Ασφάλειας και Υγιεινής της Εργασίας, 2016. ΕΚΔΟΣΕΙΣ Α. ΤΖΙΟΛΑ & ΥΙΟΙ Α.Ε. ISBN: 978-960-418-633-4
3. Καρακασίδης Νίκος Γ. - Θεοδωράτος Π. Χ., 2010. Υγιεινή - Ασφάλεια Εργασίας και Προστασία Περιβάλλοντος. ΣΤΕΛΛΑ ΠΑΡΙΚΟΥ & ΣΙΑ ΟΕ. ISBN: 960-411-544-8
4. Ευστάθιος Αθ. Ζωγόπουλος , Υγιεινή και Ασφάλεια στην Εργασία. 2004. ΕΚΔΟΣΕΙΣ ΚΛΕΙΔΑΡΙΘΜΟΣ ΕΠΕ. ISBN: 960-209-713-2