

General Information	
Academic subject	Work safety module (I.C. Agro-forestry mechanization and work safety)
Degree course	Land and Environmental Science and Technology (STAF)
Curriculum	
ECTS credits	3 (9)
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Francesco Santoro	francesco.santoro@uniba.it	AGR/09

ECTS credits details			ETCs
Basic teaching activities	Lectures (2)	Practical (1)	3

Class schedule	
Period	I term
Year	III
Type of class	Lecture – Practical

Time management	
Hours	75
In-class study hours	30
Out-of-class study hours	45

Academic calendar	
Class begins	28/09/2020
Class ends	22/01/2021

Syllabus	
Prerequisites/requirements	Knowledge of the main machines and equipment used in agriculture and forestry
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	<p><i>Knowledge and understanding</i></p> <ul style="list-style-type: none"> ○ Provides skills related to risk factors analysis in agro-forestry sector workplaces. ○ Comprehensive and documented assessment of all workers health and safety risks in agricultural and forestry sector aimed at identifying adequate prevention and protection measures and drawing up measures to guarantee their improvement over time. <p><i>Applying knowledge and understanding</i></p> <ul style="list-style-type: none"> ○ Development of the ability to apply what has been learned to real world cases. <p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> ○ Ability to divert from pure notions in order to independently manage the solution of non-standard problems. <p><i>Communicating knowledge and understanding</i></p> <ul style="list-style-type: none"> ○ Ability to express oneself through clear and scientifically rigorous language. <p><i>Capacities to continue learning</i></p> <ul style="list-style-type: none"> ○ Learning of basics and consolidation of logical and scientific aptitudes useful in following studies and professional applications. <p>The results of the expected learning, in term of knowledge and ability, are listed in the Annex A of the Didactic Regulation of the Bachelor Course (expressed by the European descriptors of the study title).</p>
Contents	The course deals with workers health and safety risks in agricultural and forestry activities and its aim is to identify adequate prevention and protection measures and to learn how to draw up measures able to guarantee their improvement over time.
Course program	Lectures and group activities <i>Generality</i>

	<p>Legislative evolution in the field of work safety. Current legislation: structure and organization of documents. <i>Safety and health prevention</i> Common principles. Institutional system. Prevention management. Secondary prevention. Health surveillance. <i>Work safety and health management</i> Risk assessment. Prevention and protection service. Education, information, training. Emergency management. Workplaces. <i>Work equipment and PPE. Safety signs.</i> Security requirements. Periodic verification. PPE categories. Physical risk inventory. Different PPE (head, hearing, eyes, etc.) <i>Specific risks</i> Electrical, manual handling of loads, physical (noise, vibrations, electromagnetic fields), chemical <i>The tractor and other agricultural and forestry equipment.</i> Rollover and other specific risks. Security requirements. Safety devices. Practice Company visits and evaluation of real case studies</p>
Bibliography	<ul style="list-style-type: none"> o Italian regulation DLgs 81/2008 <p>Examples of websites</p> <ul style="list-style-type: none"> o www.lavoro.gov.it
Notes	Lessons notes integrate the contents of the reference texts
Teaching methods	The course topics will be treated with the help of Power Point presentations and case study analyses with students' participation.
Assessment methods (indicate at least the type written, oral, other)	<p>The exam consists of an oral test on the topics developed during the lectures and practice as reported in the Didactic Regulations of the Degree Course. The student's learning is assessed on the basis of pre-established criteria, as detailed in the Didactic Regulations of the Degree Course.</p> <p>For students who have taken the exoneration test, the assessment of the profit exam is expressed as the average between the mark given on the exoneration and the exam.</p> <p>The exam for foreign students can be done in English</p>
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are.	<ul style="list-style-type: none"> • <i>Knowledge and comprehension ability</i> <ul style="list-style-type: none"> o The student must demonstrate knowledge of the main regulatory elements on health and safety at work with particular reference to the most significant risks in the agro-forestry sector. • <i>Knowledge and applied comprehension ability</i> <ul style="list-style-type: none"> o The student must be able to set up a safety management system by referring to simple real cases. • <i>Autonomy of judgement</i> <ul style="list-style-type: none"> o The student must demonstrate that he is able to follow alternative explanatory paths to standardized models. • <i>Communication skills</i> <ul style="list-style-type: none"> o The student must demonstrate sufficient knowledge of the reference scientific terminology. • <i>Learning ability</i> <ul style="list-style-type: none"> o The student will be able to independently examine and investigate issues relating to the management of health and safety in agro-forestry companies.
Further information	<p>Visiting hours every day from 09:30 to 10:30 in the teacher's room by appointment agreed by e-mail.</p>