

General information	
Academic subject	Work safety module (I.C. Agro-forestry mechanization and work safety)
Degree course	Land and Environmental Science and Technology (STAF)
Academic Year	III
European Credit Transfer and Accumulation System (ECTS)	3 (9)
Language	Italian
Academic calendar (starting and ending date)	I term (from the 27 th of september 2021 to the 21 st of january 2022)
Attendance	Optional attendance although strongly recommended

Professor/ Lecturer	
Name and Surname	Francesco Santoro
E-mail	francesco.santoro@uniba.it
Telephone	0805442474
Department and address	Department of Agricultural and Environmental Science (DiSAAT) Agricultural mechanics Via Amendola 165/a - BAri
Virtual headquarters	Microsoft Teams Internal code: ts22vjh Guests link: https://teams.microsoft.com/l/meetup-join/19:406949729ac44573968b7a0a2ae69e70@thread.tacv2/1631962675248?context=%7B%22Tid%22:%22c6328dc3-afdf-40ce-846d-326eead86d49%22,%22Oid%22:%2266518d06-abd0-44e4-b7bb-466cfbad1c69%22%7D
Tutoring (time and day)	Every day from 09:30 to 11:30 in the teacher's room by appointment agreed by e-mail.

Syllabus	
Learning Objectives	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 prerequisites	Knowledge of the main machines and equipment used in agriculture and forestry
Contents	<p>Lectures and group activities</p> <p><i>Generality</i> Legislative evolution in the field of work safety. Current legislation: structure and organization of documents.</p> <p><i>Safety and health prevention</i> Common principles. Institutional system. Prevention management. Secondary prevention. Health surveillance.</p> <p><i>Work safety and health management</i> Risk assessment. Prevention and protection service. Education, information, training. Emergency management. Workplaces.</p> <p><i>Work equipment and PPE. Safety signs.</i> Security requirements. Periodic verification. PPE categories. Physical risk inventory. Different PPE (head, hearing, eyes, etc.)</p> <p><i>Specific risks</i></p>

	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
Books and bibliography	o Italian regulation DLgs 81/2008 Examples of websites o www.lavoro.gov.it
Additional materials	Lessons notes integrate the contents of the reference texts

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
75	16	14	45
ECTS			
3	0,64	0,56	1,80
Teaching strategy			
Lecture – Practical The course topics will be treated with the help of Power Point presentations and case study analyses with students' participation.			
Expected learning outcomes			
Knowledge and understanding on:	<ul style="list-style-type: none"> o Skills related to risk factors analysis in agro-forestry sector workplaces. o 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. 		
Applying knowledge and understanding on:	<ul style="list-style-type: none"> o Development of the ability to apply what has been learned to real world cases. 		
Soft skills	<p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> o 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"> o Ability to express oneself through clear and scientifically rigorous language. <p><i>Capacities to continue learning</i></p> <ul style="list-style-type: none"> o Learning of basics and consolidation of logical and scientific aptitudes useful in following studies and professional applications. 		

Assessment and feedback	
Methods of assessment	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 exam for foreign students can be done in English
Evaluation criteria	<ul style="list-style-type: none"> • Knowledge and understanding <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.

	<ul style="list-style-type: none"> • Applying knowledge and understanding <ul style="list-style-type: none"> ○ The student must be able to set up a safety management system by referring to simple real cases. • Autonomy of judgment <ul style="list-style-type: none"> ○ The student must demonstrate that he is able to follow alternative explanatory paths to standardized models. • Communicating knowledge and understanding <ul style="list-style-type: none"> ○ The student must be able to explain in a clear way all the topics related to work safety and health • Communication skills <ul style="list-style-type: none"> ○ The student must demonstrate sufficient knowledge of the reference scientific terminology • Capacities to continue learning <ul style="list-style-type: none"> ○ The student will be able to independently examine and investigate issues relating to the management of health and safety in agro-forestry companies
Criteria for assessment and attribution of the final mark	<p>The final mark is awarded out of thirty. The exam is passed when the mark is greater than or equal to 18/30</p> <p>The evaluation of the student's preparation takes place on the basis of pre-established criteria, as detailed in the Didactic Regulations of the Degree Course. In particular, for the oral exam all the topics of the program contribute equally to the formulation of the final mark and for the written exoneration test, the evaluation of each question administered contributes equally to the formulation of the exoneration mark.</p> <p>For students who have taken the exoneration test, the final mark of the exam is expressed as the average between the mark related to the exoneration and the one related to oral exam.</p>
Additional information	