

General Information	
Academic subject	Phytosanitary regulations (Module of I.C. Standards on quality)
Degree course	Master degree in Plant medicine (LM69)
Curriculum	
ECTS credits	3
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Giuliana LOCONSOLE	giuliana.loconsole@uniba.it	AGR/12

ECTS credits details			
Basic teaching activities	Plant Protection disciplines		

Class schedule	
Period	Second semester
Year	Second year
Type of class	Lectures, 2 ECTS (16 hours) Laboratory and field classroom and visit of screen-houses of the certification program, 1 ECTS (14 hours)

Time management	
Hours	75
In-class study hours	30(16 Lectures + 14 Lab & field cl.)
Out-of-class study hours	45

Academic calendar	
Class begins	March 5, 2018
Class ends	June 22, 2018

Syllabus	
Prerequisites/requirements	Basic knowledge on diagnosis of plant pathogens, plant pathology, casual agents of plant disease.
Expected learning outcomes	<ul style="list-style-type: none"> • <i>Knowledge and understanding on:</i> <ul style="list-style-type: none"> ○ phytosanitary regulations on production, marketing of propagating material at national and EU level • <i>Applying knowledge and understanding on:</i> <ul style="list-style-type: none"> ○ international, European, national and local regulations concerning the plants propagating material. • <i>Making informed judgments and choices:</i> <ul style="list-style-type: none"> ○ Ability to analyze the different production and marketing issues ○ Application of the update phytosanitary measures for the control and management of quarantine and quality pathogens • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Personal ability to communicate in oral form using technical language, to participate to multidisciplinary working groups. • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ Protocols of certified plant and nursery products. <p>Expected learning outcomes, as knowledge and ability, are reported in the annex A of the Didactic Regulation of the course Plant Medicine (expressed by European Descriptors)</p>
Contents	International, European, national and local phytosanitary regulations;

	<p>development and validation of protocols for the certification of agricultural products and propagating plant materials</p> <ul style="list-style-type: none"> - M.D. 19/08/2005, n. 214 <p>Execution of Directive 2000/29/EC on “protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the Community” (plant passport and quarantine pathogens)</p> <ul style="list-style-type: none"> - Mandatory control <ul style="list-style-type: none"> - M.D. 14.04.1997 <p>Transposition of the Commission directives n. 93/48 / EEC of 23/06/93, n. 93/64/EEC of 5/7/1993 and n. 93/79/EEC of 21/09/1993 relating to technical standards for the marketing of propagating material of fruit plants and fruit plants for fruit production (Conformitas Agraria Communitatis).</p> <ul style="list-style-type: none"> - Certification of nursery productions in Italy (compulsory and voluntary) (DD.MM. 24/07/2003, 4/05/2006, 20/11/2006, D.Lgs. 124/2010, D.M. 6/12/2016): - Production of the primary source - Objectives - Utilization of the material - Principles and minimum conditions - Steps, categories, and health status of the material
Course program	
Bibliography	<ul style="list-style-type: none"> • Normative fitosanitarie • Atti Convegno Nazionale su “Certificazione delle produzioni vivaistiche”, Locorotondo-Valenzano, 14-15 Ottobre, 1991. • Atti Convegno Nazionale Progetto POM A32 “Validazione e trasferimento alla pratica agricola di norme tecniche per l’accertamento dello stato sanitario di specie ortofrutticole per patogeni pregiudizievoli alla qualità delle produzioni vivaistiche”, Volumi I-II, Locorotondo (BA) 4-7 Dicembre 2001 • Powerpoint of the lectures
Notes	None
Teaching methods	Lectures will be presented through PC assisted tools (PowerPoint, Adobe Acrobat, etc.), slide projector. The lab/field credit will consist in visits at the centers of the certification program located at “Azienda Didattico Sperimentale Martucci”, Valenzano (BA) and at CRSFA, Locorotondo (BA)
Assessment methods	<p>Only the students enrolled in the academic year during which this module is provided, can have a midterm exam during the time of teaching. The result of it remains valid for the whole academic year and concurs to the final evaluation of the student (in proportion to the ECTS evaluated during the midterm exam).</p> <p>The exam, as well as the intermediary exam, consist of an oral test with questions related to the lectures and visits , such as reported in the Didactic Regulation in Plant Medicine (art.9) and in the syllabus (annex A).</p> <p>The evaluation of the student is based on criteria previously fixed such as reported in the Annex A of the Didactic Regulation of the Master Course in Plant Medicine</p> <p>Foreign students can take the exam in English.</p>
Evaluation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i>

	<ul style="list-style-type: none"> ○ evaluation of the updated knowledge on phytosanitary regulations at national and European level relating to technical standards for the marketing of propagating material of fruit plants and fruit plants for fruit production. ● <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ evaluation of the ability to apply the phytosanitary measures. ● <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> ○ evaluation of ability to analyze the different production and marketing issues, to apply of the update phytosanitary measures for the control and management of quarantine and quality pathogens. ● <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ evaluation of the personal ability to communicate in oral form using technical language, to participate to multidisciplinary working groups. ● <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ evaluation of the ability to learn the protocols for the certification of plants and propagating materials.
Further information	<p>Visiting hours: please, contact the teacher to the email address giuliana.loconsole@uniba.it</p>