General Information	
Academic subject	Dendrometry and Forest Management
Degree course	Management and conservation of the agro-forest eni-
	ronment
Curriculum	
ECTS credits	9
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Patrizia	Patrizia.tartarino@uniba.it	AGR/05
	Tartarino		

ECTS credits details	Field	SSD	Credits
Basic teaching activities	Agricultural and	AGR/05	9
	forestry systems		

Class schedule	
Period	Il semester
Year	third
Type of class	Lecture- workshops on the field and in the woods

Time management	
Hours	225
In-class study hours	90
Out-of-class study hours	135

Academic calendar	
Class begins	5 th March 2018
Class ends	22 nd June 2018

ge and understanding to estimate the dimensional parameters of the single canding or cut down, and of woods, and also the of both, by improving the utilization of the different equipment. The acquired capacities are also story to the quantification of the vegetable biomass in the interested ecosystems, of carbon fixed from the old of the silvicultural interventions necessary for a prest management. In knowledge and understanding to compile a management plans of the vegetation of interest (maquis, maquis-forests and forests), ecous or deriving from plant-ing, included or not in ed areas. Informed judgements and choices of stand alone judgment in the solution of various oncerning dendrometric and managerial aspects icating knowledge and understanding of express themselves through clear and scientifically language as to continue learning

	Ability to acquire theoretical and practical competencies that
	will be used in the liberal profession activities, and in the public
	and in the private Administration of the competence field.
Contents	DENDROMETRY
	I Trees bearing
	1.1 Stem conformation
	I.2 Crown conformation
	2 Measure equipment
	2.1 Calliper, coppice - measurer and pentaprism
	2.2 Hypsometers
	2.3 Increment borer and increment marker
	3 Estimation of stems volume and cut boles
	3.1 General parabolic lines equation
	3.2 Measure method of paraboloids of rotation
	3.3 Form factor and reduction factor
	3.4 Cavalieri's method and Eulero's integral
	3.5 Huber's method
	3.6 Sections measure
	3.7 Error calculation and comparison amoung the different
	meas-ure methods
	4 Estimation of mercantile assortments volume
	5 Estimation of wood and bark volume
	6 Estimation of single standing trees volume
	6.1 Empirical methods
	6.2 Pressler's method
	7 Estimation of the basal area per hectare
	7.1 Direct method
	7.2 Indirect method
	8 Estimation of trees and woods height
	8.1 Trees heights
	8.2 Medium, form and stand height, stature
	8.3 Costruction of the hypsometric curve
	9 Analytical and indirect estimation of the volume of a
	standing trees group
	9.1 General and local volume tables, single and double entry
	and their application
	9.2 Dendrometric, cormometric, assortment tables and of
	reduction factors
	9.3 Costruction of volume tables
	10 Analytical direct estimation of the volume of a standing
	trees group
	II Relascopy
	12 Forest Auxonomy

	FOREST MANAGEMENT
	I – Introduction to the course, notice on the historical
	development of the forest management and its tasks
	development of the forest management and its tasks
	2 – Structure of the forest management plan
	3 – The management compartimentation
	4 - Forest tax relief and dendrometric and
	dendroauxometric cruises
	5 - Normal wood and abnormalities
	6 - Forest management methods, yield determination and
	silvicul-tural interventions plan
	7 – Cartography and forest management information systems
Course program	
Bibliography	• La Marca O. 2004. Elementi di Dendrometria. Firenze.
	• Patrone G., 1944. Lezioni di Assestamento forestale.
	Patrone G.; 1940. Lezioni di Dendrometria. Coppini
	Pardé J., Bouchon J Dendrométrie. ENGREF.
	• Ciancio O., Nocentini S., 2004. Il bosco ceduo. Selvicoltura
	assestamento gestione. Acca-demia Italiana di Scienze
	forestali. Firenze.
Notes	
Teaching methods	The course topics will be discussed with the help of
	presentations in Power Point
Assessment methods (indicate at least	The exam consists of an oral test with questions related to
the type written, oral, other)	the programme developed during lectures and laboratory
,	classes in the hall and in action, as reported in the teaching
	Regulations of the Degree course in Management and
	conservation of the agro-forest environment (article 9) and
	in the study plan (Annex A).
	Before the exam, the student must present to the professor
	a written report about the results of datas elabo-ration
	obtained during laboratory activities.
	For students who have supported exoneration, the
	assessment of the profit test is expressed as the average
	between the vote on the exoneration and the profit test.
Evaluation criteria (Explain for each	The committee will evaluate how the student will have
expected learning outcome what a	achieved the "Expected learning outcomes " and will have
student has to know, or is able to do,	acquired the "Contents" (see individual headings above)
and how many levels of achievement	acquired the Contents (see individual headings above)
there are.	
Further information	Visiting hours: on Tuesday from 9.30 am to 12.30 am, or by
Turtier information	appointment
	арропшиен