COURSE DESCRIPTION – ACADEMIC YEAR 2024/2025

Course title	**Anatomia del legno e selvicoltura produttiva**
Course code	42607
Scientific sector	AGR/05
Degree	Laurea professionalizzante in Tecnologie del Legno – L-P03
Semester	1
Year	2
Credits	
Modular	No

Total lecturing hours	30
Total lab hours	
Attendance	La partecipazione alle lezioni è raccomandata.
Prerequisites	
Course page	Microsoft Teams and https://ole.unibz.it/

Specific educational objectives	Il corso si inserisce nell'area di apprendimento dei corsi caratterizzanti la Laurea professionalizzante in Tecnologie del Legno.
	Si prevede che lo studente acquisisca conoscenze e competenze relative ad elementi di gestione ed ecologia forestale, e all'identificazione dei fattori ambientali e gestionali che influenzano le proprietà e i difetti del legno.

Lecturer	Roberto Tognetti
Contact	K2.03 - roberto.tognetti@unibz.it
Scientific sector of lecturer	AGR/05
Teaching language	Italiano
Office hours	Mercoledì 10:00-12:00
Lecturing Assistant (if any)	
Contact LA	
Office hours LA	
List of topics	● Elementi di gestione e pianificazione forestale ● Cenni di botanica ed ecologia forestale ● Dinamica e struttura degli ecosistemi forestali ● Forme di governo e trattamento ● Proprietà e assortimenti del legno, e suoi difetti ● Certificazioni forestali
Teaching format	Lezioni frontali

Learning outcomes	Knowledge and understanding: • D1.1 – Knowledge of the key concepts and technologies of data science disciplines • D1.2 – Understanding of the skills, tools and techniques required for an effective use of data science • D1.11 – Knowledge of the main algorithms for data analysis, and of elements of the complexity theory

Applying knowledge and understanding:
- D2.2 – Ability to address and solve a problem using scientific methods
- D2.4 – Ability to develop programmes and use tools for the analysis and management of data and related infrastructures

Making judgments
- D3.2 – Ability to autonomously select the documentation (in the form of books, web, magazines, etc.) needed to keep up to date in a given sector

Communication skills
- D4.1 – Ability to use English at an advanced level with particular reference to disciplinary terminology.

Learning skills
- D5.3 – Ability to deal with problems in a systematic and creative way and to appropriate problem solving techniques.

Assessment	Prova orale
Assessment language	Italiano
Assessment Typology	Monocratico
Evaluation criteria and criteria for awarding marks	Il voto sarà commisurato alla capacità di esporre chiaramente e coerentemente gli argomenti trattati durante il corso, alla capacità di rielaborare tali argomenti in maniera autonoma, alla chiarezza nell'esposizione e alla proprietà di linguaggio. Nel caso di mancata partecipazione al corso, sarà valutato un elaborato svolto appositamente.

Required readings	Titolo: Selvicoltura produttiva, manuale pratico Autore: G. Bernetti, R. Del Favero, M. Pividori ISBN: 8850653247 Edagricole, 2012 Titolo: La struttura anatomica del legno ed il riconoscimento dei legnami italiani di più corrente impiego Autore: Raffaello Nardi Berti ISBN: 10:88-901660-0-2 CNR-IBE Titolo: Manuale di scienza e tecnologia del Legno Autore: Gabriele Bonamini - Luca Uzielli ISBN: 9788879924405 Edizioni CLUT
Supplementary readings	Presentazioni PowerPoint e altro materiale didattico forniti dal docente durante il corso.
Software used	

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Semester	1
Year	2
Credits	
Modular	No

Total lecturing hours	30
Total lab hours	
Attendance	Recommended
Prerequisites	
Course page	Microsoft Teams and https://ole.unibz.it/

Specific educational objectives	The course falls within the learning area of the courses characterizing the Laurea professionalizzante in Tecnologie del Legno.
	It is expected that the student will acquire knowledge and skills related to elements of forest management and ecology, and the identification of environmental and silvicultural factors influencing the properties and defects of wood.

Lecturer	Roberto Tognetti
Contact	K2.03 - roberto.tognetti@unibz.it
Scientific sector of lecturer	AGR/05
Teaching language	Italian
Office hours	Wednesday 10:00-12:00
Lecturing Assistant (if any)	
Contact LA	
Office hours LA	
List of topics	- Elements of forest management and planning - Basics of botany and forest ecology - Dynamics and structure of forest ecosystems - Forest governance and treatment - Properties and assortments of wood, and its defects - Forest certifications
Teaching format	Lectures

Learning outcomes	Knowledge and understanding: - D1.1 – Knowledge of the key concepts and technologies of data science disciplines - D1.2 – Understanding of the skills, tools and techniques required for an effective use of data science

- D1.11 – Knowledge of the main algorithms for data analysis, and of elements of the complexity theory

Applying knowledge and understanding:
- D2.2 – Ability to address and solve a problem using scientific methods
- D2.4 – Ability to develop programmes and use tools for the analysis and management of data and related infrastructures

Making judgments
- D3.2 – Ability to autonomously select the documentation (in the form of books, web, magazines, etc.) needed to keep up to date in a given sector

Communication skills
- D4.1 – Ability to use English at an advanced level with particular reference to disciplinary terminology.

Learning skills
- D5.3 – Ability to deal with problems in a systematic and creative way and to appropriate problem solving techniques.

Assessment	Oral exam
Assessment language	Italian
Assessment Typology	Monocratic
Evaluation criteria and criteria for awarding marks	The grade will be based on the ability to clearly and coherently present the topics covered during the course, the capacity to independently rework these topics, clarity in presentation, and linguistic proficiency. In case of non-attendance, an assigned assignment will be evaluated instead.

Required readings	Title: Selvicoltura produttiva, manuale pratico Authors: G. Bernetti, R. Del Favero, M. Pividori ISBN: 8850653247 Edagricole, 2012 Title: La struttura anatomica del legno ed il riconoscimento dei legnami italiani di più corrente impiego Authors: Raffaello Nardi Berti ISBN: 10:88-901660-0-2 CNR-IBE Title: Manuale di scienza e tecnologia del Legno Authors: Gabriele Bonamini - Luca Uzielli ISBN: 9788879924405 Edizioni CLUT
Supplementary readings	PowerPoint presentations and materials provided by the professor during the lectures.
Software used	