

General Information	
Academic subject	Commodity Science
Degree course	Economics and Business Administration
Curriculum	
ECTS credits	8
Compulsory attendance	Yes
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Bruno Notarnicola	bruno.notarnicola@uniba.it	SECS-P/13

ECTS credits details	Disciplinary field	SSD	ECTS credits
Basic teaching activities	Commodity science	SECS-P/13	8

Class schedule	
Period	Second semester
Year	2
Type of class	<ul style="list-style-type: none"> • Lectures • Exercises • Seminars • Project work

Time management	
Hours	200
In-class study hours	64
Out-of-class study hours	136

Academic calendar	
Class begins	February 21, 2022
Class ends	June 3, 2022

Syllabus	
Prerequisites/requirements	No
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)	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> The commodity course aims to provide students with basic notions relating to goods and their characterization from a technical, technological, economic and environmental point of view in the global economy. • <i>Applied knowledge and understanding</i> The student, having acquired the basic concepts and terminology, will have in-depth knowledge of the main goods, raw materials and / or objects of the main production processes in the broad global economic scenario. • <i>Autonomy of judgment</i> The course aims at the student's understanding of the most current market dynamics related to commodities and industrial systems, the ability to evaluate the realization of a commodity or a production process and with a problem-solving approach. • <i>Communication skills</i> At the end of the course, the student will have acquired the basic knowledge and the technical language useful for

	<p>dealing with structured and complex interviews on various types of commodity aspects, will be able to distinguish a commodity by its intrinsic characteristics, the value in use and the energy consumption for the corresponding production.</p> <ul style="list-style-type: none"> • <i>Ability to learn</i> The goal is to give the student an analytical technical ability aimed at the knowledge of fundamental goods, subject to international production and exchange, such as: energy, steel, basic inorganic products, fertilizers, petrochemical industry products, food and water.
Contents	<p>The topics covered during the course will be the following:</p> <p>The scenario of the events of the biosphere and the technosphere. The problem of energy sources: nature and characteristics of energy; unit of measure; fossil fuels: coal, oil and its derivatives, gaseous fuels, electricity, nuclear energy, and renewable energy sources. Energy uses and needs; Energy and environment. Environmental analysis and accounting.</p> <p>Goods and metals: the steel industry; iron and steel. The goods produced by the chemical industry: basic inorganic products and fertilizers, the petrochemical industry, renewable resources. The food problem. Cereals and their derivatives. The water problem. Notes on aspects of international trade in goods: Integrated Customs Tariff for Use and customs procedures and operations.</p>
Course program	
Bibliography	<ul style="list-style-type: none"> • G. Nebbia, "Lezioni di merceologia", 1995, Laterza, Bari (pg. 3-164; 185-194; 203-279; 371-386). • B. Notarnicola: "Appunti dalle lezioni", 2020-21.
Notes	
Teaching methods	Lectures, internal cycles of lessons, exercises, seminars, laboratory activities, study visits. Course present in the e-learning area of the Faculty website.
Assessment methods (indicate at least the type written, oral, other)	Oral interview
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.	<p>The student will have a broad view of the properties, characteristics of use and trade of the different groups of goods.</p> <p>Having acquired the basic concepts and terminology, the student will have in-depth knowledge of the production processes of each commodity.</p> <p>The student will be able to understand all the environmental issues related to the entire production cycle of goods transformation.</p> <p>The student will acquire adequate commodity knowledge with the aim of describing and knowing how to recognize the main commodity characteristics of a commodity.</p>
Further information	