

<b>General Information</b>	
Academic subject	Commodity Science
Degree course	Business Administration
Curriculum	
ECTS credits	8
Compulsory attendance	No
Language	Italiano

<b>Subject teacher</b>	Name Surname	Mail address	SSD
	Vera Amicarelli	Vera.amicarelli@uniba.it	SECS-P/13

<b>ECTS credits details</b>			
Basic teaching activities			

<b>Class schedule</b>	
Period	I semester
Year	III
Type of class	Lecture - workshops

<b>Time management</b>	
Hours	56
Hours of lectures	
Tutorials and lab	

<b>Academic calendar</b>	
Class begins	settembre 2016
Class ends	dicembre 2016

<b>Syllabus</b>	
Prerequisites/requirements	Prerequisites with General Accounting SECS-P/07
Expected learning outcomes	<p><i>Knowledge and understanding</i></p> <p>The course aims to provide adequate knowledge and understanding at Business Administration first level degree, with regard to various fields of goods characterization, production and use, focusing their environmental implications .</p> <p><i>Applying knowledge and understanding</i></p> <p>The transfer of Commodity Science knowledge has to be oriented to the future professional approach to work, providing appropriate skills able to be used to plan and sustain arguments and solving problems related to natural resources limitation, to the interactions between the system "biosphere - technosphere - biosphere" and management of sustainable development models.</p> <p><i>Making informed judgements and choices</i></p> <p>Students will gain adequate capacity to collect and interpret information and data necessary and useful to organize proper and independent assessments on issues concerning goods characterization, their production and use and their related environmental implications.</p>

	<p><i>Communicating knowledge and understanding</i> The development of adequate capacity to communicate information and ideas as well as suitable problem solving skills will be supported by the instrument of the interactive lesson and the organization of project work whose themes and methods of execution will be define time by time.</p> <p><i>Capacities to continue learning</i> Frontal and interactive lessons, workshops and project work together with home study will contribute to the development and improvement student capacity of learning with a high degree of autonomy.</p>
Contents	<p><i>Commodity Science Introduction</i> Definition, evolution and object of Commodity Science. Biosphere and technosphere. Naturalcycles. Unity of measure.</p> <p><i>Energy</i> Energy generation pattern. Fossil fuels. Coal. Oil and its derivatives. Gaseous fuels. Electricity. Nuclear power. Renewable Energy carriers. Energy and the environment. Consumption patter of energy.</p> <p><i>Metallurgic and chemical industries</i> Metals (Iron and Steel). Chemical Industry (Sulfuric acid)</p> <p><i>Food, Water and Biomass</i> Food scarcity and description of food production chains. No-food uses of biomass Water scarcity and water desalinization.</p> <p><i>Environmental Management</i> Environmental Management Systems and the sustainable indicators.</p>
Course program	
Bibliography	<p>Nebbia G., Lezioni di merceologia, Bari, Laterza, 1995. Leoci B., Cicli produttivi e merci, Roma, Aracne Editrice, 2007. Calabrò G., Merceologia risorse naturali, merci ed ambiente, Messina, Scuderi s.a.s., 1999. Ciraolo L., M. Giaccio, A. Morgante e V. Riganti, Merceologia, Bologna, Monduzzi editore, 1998.</p>
Notes	///
Teaching methods	Lecture, project work and exercises
Assessment methods	Oral
Evaluation criteria.	<p>The student must show:</p> <ul style="list-style-type: none"> <li>- Adequate knowledge related to various fields of goods characterization, Their production and consume, focusing</li> </ul>

	Their environmental implications; - Sufficient capacity for critical analysis and problem solving applied on different issues discussed; - Sufficient exposure capabilities of Their Own ideas and acquired skills.
Further information	///