2nd Multiplier Event

8 October 2021

The EUSTEPs guidelines for sustainability courses

EUSTEPs

Enhancing Universities' Sustainability TEaching and Practices through Ecological Footprint

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ΙΔΡΥΜΑ ΚΡΑΤΙΚΩΝ ΥΠΟΤΡΟΦΙΩΝ IKY

ARISTOTLE UNIVERSITY OF THESSALONIKI

Global Footprint Network® Advancing the Science of Sustainability

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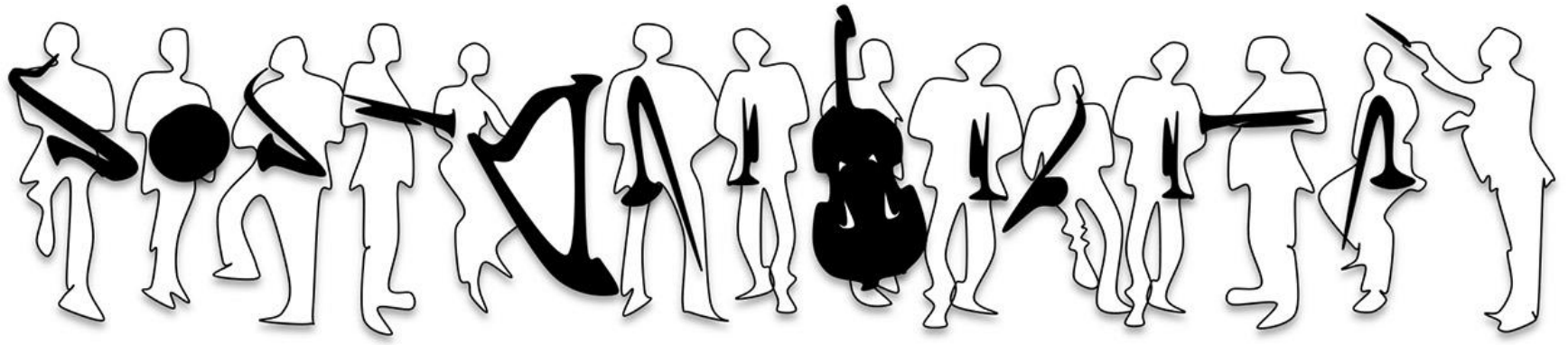

insegnamento**sostenibilità**

Course: «SUSTAINABILITY»

CHARACTERISTICS

Integrative/optional course

Starting academic year: 2013-14 (8 editions)

Open to:

- every student independently of degree course or age
- technicians and administrative staff of Unisi
- everyone interested in the argument (after paying for single course)

48 hours: 24 two-hour seminars given by 24 different teachers

Every Friday afternoon (two lessons) from March to June

Same place (or zoom/webex/gmeet link!)

Materials are collected from all the teachers; exam in form of test

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THE COURSE IS AIMED TO

- Provide the basis for understanding the problems related to sustainability, in all its facets.
- Analyze the environmental, economic, social, legal, institutional, agri-food, communication, urban and planning aspects of sustainability (but also geographical, mobility, statistical, etc.)
- Explore the transdisciplinary aspects that lead to a real understanding of the complexity of the reality in which we live
- Make University students particularly prepared on all aspects of sustainability.

In 2017 it was selected among the best five teaching experiences on sustainability in Italy by RUS

(Italian Network of Universities for Sustainable Development)

Clima | Economia ecologica | Scienze e ricerca

Quest'anno spazio anche alla comunicazione ambientale, con una lezione di greenreport

Clima, dalla protesta alle soluzioni: all'Università di Siena parte il corso in Sostenibilità

Climate, from strikes to solutions: the University of Siena inaugurates the course on sustainability. [March and May, 2019]

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Date	Seminar	Lecturer
03/15	Lesson #Zero on sustainability and SDGs	Simone Bastianoni
	Sustainability and the history of climate	Luca Foresi
03/22	Energy and thermodynamic foundations	Riccardo Basosi
	Biophysical foundations of sustainability	Federico M. Pulselli
03/29	The environmental communication	Luca Aterini
	Economic foundations of sustainability	Simone Borghesi
04/05	Sustainable mobility	Stefano Maggi
	The sustainability according to Slow Food	Piero Sardo
04/12	Juridical foundations of sustainability	Massimiliano Montini
	Sustainability for children: the sCoolFood project	Daniele Messina
05/03	Equity and sustainability	Gianni Betti
	Geography and sustainability	Cristina Capineri

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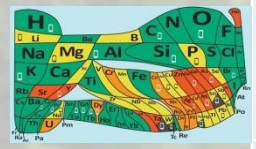

Date	Seminar	Lecturer
05/10	Sustainability and human rights	Alessandra Viviani
	Planetary Boundaries e the periodic table	Nadia Marchettini
05/17	Molecular diversity of plants and sustainability	Giampiero Cai
	Society and sustainability	Fabio Berti
05/24	UNISI meets Fridays For Future	FFF and Federico M. Pulselli
	The sustainability at the University of Siena	Good Practices Group @Unisi
05/31	Sustainability and ecology	Roberto Bargagli
	Sustainability and ecotoxicology	Ilaria Corsi
06/07	Sustainability and tourism	Salvatore Bimonte
	Sustainability and health	Giacomo Lazzeri
06/014	Sustainability in the history of economic thought	Luca Fiorito
	Sustainability and happiness	Stefano Bartolini

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In general, the proposed **Sustainability Course** might have **three** pillars:

FOUNDATIONS	The EUSTEPs Module	Other Lessons
Biophysical foundations of sustainability	**Ecological Overshoot**	[…]
Economic foundations of sustainability	**Ecological Footprint Introduction**	[…]
Social foundations of sustainability	**Your Personal Ecological Footprint**	[…]
Juridical foundations of sustainability		[…]
How to measure sustainability		
Ethical and philosophical foundations of sustainability		
Energy and sustainability		

Other Lessons

- Global change
- Ecology and sustainability
- Waste management and sustainability
- Impacts of plastics in the marine environment
- Planetary boundaries and sustainability
- Sustainability of water resources
- Emerging pollutants
- The climate, energy and food nexus: a global perspective
- Nanotechnology and environmental safety
- Sustainability and climate history
- change study from Arrhenius to the Gaia theory.
- Sustainability and ecotoxicology
- The concept of Sustainability in the history of economic thought
- Biodiversity and the Doughnut economy
- Sustainability and digital technologies
- Environmental perception: the role of the media
- Sustainability and communication
- World geography explained through sustainability indicators
- Sustainability and tourism
- Green economy and sustainability
- Sustainable development and human rights
- Finance and sustainability
- Food Systems
- Measuring food sustainability
- Sustainable and resilient cities
- Education for sustainable development
- Equity and sustainability
- Economics of Happiness
- Mobility and sustainability
- Constitutions and sustainability
- European law on agriculture and environment
- Complexity and sustainability
- Health and sustainability
- Citizen science and sustainability
- Sustainability and Genetically Modified Organizations (GMOs)
- Native species and molecular biodiversity: impacts on the environment and the agriculture production
- Sustainable Development Goals (SDGs) and the UN 2030 Agenda
- How to integrate sustainability in the business management mechanism

Some practical questions

a) WHO SHOULD ATTEND THE COURSE?

b) HOW TO CHOOSE THE DAY?

c) ADMINISTRATIVE PROBLEMS AND TEACHING PLAN

d) HOW TO CREATE THE DIDACTIC MATERIAL

e) HOW TO BE INNOVATIVE WITH THE PEDAGOGICAL APPROACH FOR THE COURSE?

f) HOW TO ASSESS THE LEARNING OUTCOMES?

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Thank you

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University of Siena

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