

# Testi del Syllabus

Resp. Did.	<b>BORRUSO GIUSEPPE</b>	<b>Matricola: 009373</b>
Docente	<b>BORRUSO GIUSEPPE, 6 CFU</b>	
Anno offerta:	<b>2024/2025</b>	
Insegnamento:	<b>938SV - GEOGRAFIA DEI CAMBIAMENTI GLOBALI E CITTA' SOSTENIBILI</b>	
Corso di studio:	<b>SM58 - ECOLOGIA E SOSTENIBILITÀ DEI CAMBIAMENTI GLOBALI</b>	
Anno regolamento:	<b>2023</b>	
CFU:	<b>6</b>	
Settore:	<b>M-GGR/02</b>	
Tipo Attività:	<b>C - Affine/Integrativa</b>	
Anno corso:	<b>2</b>	
Periodo:	<b>Primo Semestre</b>	
Sede:	<b>TRIESTE</b>	



## Testi in italiano

<b>Lingua insegnamento</b>	English
<b>Contenuti (Dipl.Sup.)</b>	<p>The course is aimed at providing a geographical and holistic framework to the complexity of the global changes ongoing on our Planet Earth, allowing students to relate human-related and natural events to the geographical space, linking together expertise and knowledge from different disciplines.</p> <p>Central in geographical studies is the human-environment relationship that, within the course, will be presented taking into account the challenges related to global and local changes.</p> <p>Changes will be examined within a multiscale approach, allowing to connect the local scale and the global one, through the regional and system analysis. An attention will be given to the importance of cities in the organization of the geographical space, and as places where, at present, challenges to economical and ecological ecosystems are put. The course in particular will be organized in 2 macro modules: Resources and global changes Smart and sustainable cities.</p>
<b>Testi di riferimento</b>	Materials - Powerpoint presentations, key articles, case studies materials - will be made available throughout the course and delivered by means of the Moodle and Teams platforms.
<b>Obiettivi formativi</b>	<p>The course objectives are in line with the bachelor degree ones, aiming to provide students with adequate knowledge tools to address and solve complex issues such as those related to global changes that affect various disciplinary fields and can impact natural resources and the environmental sector, as well as lead to further social, economic, and technological implications.</p> <p>In particular the course of Economic is aimed at reaching the following objectives.</p> <p><b>KNOWLEDGE AND UNDERSTANDING</b> Know the main elements characterizing space and the social, economical and environmental space</p>

Know the main instruments used by geography to tackle spatial issues  
 Know the models used to represent and analyse geographical reality  
 Understand the theoretical foundations of geography within the framework of the geographical sciences and the other 'soft' and 'hard' sciences.  
 Understand the importance of space in human decisions  
 Understand the importance of spatial thinking  
 Understand the benefits and limitations of models used in economic geography to represent and analyse the geographical realm.

**APPLYING KNOWLEDGE AND UNDERSTANDING**  
 Know how to study a geographical space  
 Know which methods and models to apply to the different economical sectors  
 Know how to evaluate choices over the geographical space.  
 Use geographical instruments to represent, analyze, understand and present reality.

**MAKING JUDGEMENTS:**  
 Students have to demonstrate - at the end of the course - that they have not only memorised the concepts but they have understood and interiorized them through possible application in situations other than those presented during the course

**COMMUNICATION SKILLS:**  
 The purpose of the oral exam is to verify the student's ability to communicate effectively and with technical language properties the concepts learned during the course

**LEARNING SKILLS:**  
 At the end of the course, a student must demonstrate that he/she can apply the minimum knowledge and understanding described in this syllabus.

## Prerequisiti

No prerequisites.

## Metodi didattici

Classroom lessons  
 Ex cathedra teaching  
 Classroom discussion  
 Classrooms will be implemented with seminars and classes (remote and in presence), also with the participation of colleagues and experts from other universities and organizations.  
 Materials will be made available also through digital platforms as video and multimedia presentations.

## Modalità di verifica dell'apprendimento

Students will be asked to realize an individual project on a selected topic tackled during the course. The topic can be one not necessarily tackled in class, but relevant in geographical terms. The project can be realized as a 10-15 page essay, discussed during the oral examination, accompanied by a presentation (in form of either a powerpoint, prezi or storymap presentation, or just in form of a viva voce discussion). The presentation of the individual project will represent an occasion for a discussion on the major topics presented in class, with questions from the two modules ('Resources and global changes' and 'Smart and Sustainable Cities'). During an oral examination the typical timeframe is around 15 to 20 minutes per person. Marks are expressed in \*/30. A minimum of 18/30 mark will mean the exam is passed. 30/30 represent the highest marks. Brilliant presentations can be awarded of the 'cum laude' recognition.

## Programma esteso

The course will be organized in 2 macro modules: Resources and global changes; Smart and sustainable cities.  
 Resources and global changes.  
 Geography. The human-environment relationship;  
 The Region in Geography;  
 Introduction to geographical analysis;  
 The representations of environment and space: cartography and Geographic Information;  
 Resources: the classification of resources; the new resources. The management of resources and common goods;  
 The consequences and replies to global change in a geographical

perspective.  
 Smart and sustainable cities.  
 Humans as citizens;  
 Sustainable Development: yesterday and today;  
 Human geography and population: The population on the Earth, patterns and development;  
 Introduction to urban geography: urbanization and an urbanized world;  
 Cities and territories: cities and their relationship with their regions.  
 Relations and resource consumption.  
 Cities as global nodes: Transport and communication networks; The local / global analysis of relations among cities; From a global to a local World?  
 The ongoing changes.  
 The smartness of the cities and the cities of tomorrow.  
 A focus on Geographical Instruments to tackle spatial-related topic will be performed, with examples and tests using Geographical Information Systems, Virtual Globes or other Geographical analytical tools and instruments.

**Obiettivi Agenda 2030 per lo sviluppo sostenibile**

Geography deals with the human-environment relationship. So, the concept of Sustainability is rooted into the geographical thought and therefore all the aspects of sustainability finds room into geographical courses.

**Obiettivi per lo sviluppo sostenibile**

Codice	Descrizione
7	Energia pulita e accessibile
9	Industria, innovazione e infrastrutture
10	Ridurre le disuguaglianze
11	Città e comunità sostenibili
13	Agire per il clima



**Testi in inglese**

	English
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## Obiettivi per lo sviluppo sostenibile

<b>Codice</b>	<b>Descrizione</b>
7	Affordable and clean energy
9	Industries, innovation and infrastructure
10	Reduced inequalities
11	Sustainable cities and communities
13	Climate action