

Academic Year: ( 2024 / 2025 )

Review date: 26-04-2024

Department assigned to the subject: Social Sciences Department

Coordinating teacher: NICOLINI ALESSI, ESTEBAN ALBERTO

Type: Electives ECTS Credits : 3.0

Year : 2 Semester : 1

## OBJECTIVES

- Ability to understand the direct and indirect effects of climate change on the urban situation.
- Ability to analyze the transversal impacts of urban sustainability.
- Ability to understand the specific instruments of public policies to confront the challenges of urban sustainability.

## DESCRIPTION OF CONTENTS: PROGRAMME

- Demographic growth and urban development.
- Models of urban growth.
- Urban development, sustainable production and consumption of energy and climate change.
- Water resources, sanitation systems and electricity provision.
- Transport and communication networks.
- Urban degradation, slums expansion and urban standards of living.
- Urban governance.

## LEARNING ACTIVITIES AND METHODOLOGY

- Lectures
- Practical sessions
- Tutorials
- Team paper/ write up
- Presentations
- Debates

- Final exam or individual assignment

## ASSESSMENT SYSTEM

<b>% end-of-term-examination:</b>	40
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	60

CONTINUOUS ASSESSMENT (during the semester):

Class attendance and participation 15%

Presentations (individual or in teams) 20%

Assignments, papers/ write-ups (individual or in teams) 25%

FINAL EXAM/ FINAL PAPER: 40%

The evaluation in the extraordinary call will be based on a final paper/ write up or an exam

## BASIC BIBLIOGRAPHY

- Klineberg, E. Heat Wave. A Social Autopsy of Disaster in Chicago., Chicago University Press , 2015
- Pörtner, H.-O., Roberts, D.C., Tignor, M., Poloczanska, E.S., Mintenbeck, K., Alegría, A., Craig, M., Langsdorf, S., Löschke, S., Möller, V., Okem, A., Rama, B. Climate Change 2022: Impacts, Adaptation and Vulnerability, in: IPCC Report 6. , Cambridge University Press, 2022
- Stocker, T.F., Qin, D., Plattner, G.-K., Tignor, M.M.B., Allen, S.K., Boschung, J., Nauels, A., Xia, Y., Bex, V., Midgley, P.M. Working Group-I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change., IPCC-The United Nations, 2013
- Wheeler, S. The sustainable Urban Development Reader. , London: Routledge., 2013

#### ADDITIONAL BIBLIOGRAPHY

- Alvarado, F., Chancel, L., Piketty, T., Saez, E., Zucman, G World inequality report 2018. , Belknap Press, 2018
- Sanchez-Martinez, Fasil, B, Akcigit, Imullitti, Licandro, Macroeconomic Modelling of R&D and Innovation Policies., Palgrave Macmillan, 2021