John Felice Rome Center
Course: Environmental Sustainability (Envs 283)
Summer 2024
Monday 9am: 12.20am
Dr. Mario Carere
Email: mcarere@luc.edu
Office Hours: By appointment

Course Description:

This course will give you the basis to understand which is the impact of human activities on our planet and which are the main actions that policy makers, stakeholders and citizens should carry out to avoid the decline and deterioration of our ecosystems with dramatic consequences also for human being. We will undertake a science-policy journey through the knowledge of the international strategies for sustainable development, the current European green deal policies and the global and local actions needed to fight the climate changes and chemical pollution.

The course will cover basic topics such as the protection of water resources (the most precious and limited resource) and our oceans, the importance of the protection of our ecosystems, the impact of chemical pollution on the environment and in which way this affects human health, the importance of a sustainable agriculture. A study visit at the Tiber river will be also scheduled.

Learning Outcomes

On completion of the course students should be able to:

- Develop the basic concepts of the environmental sustainability
- Determine which are the main anthropogenic impacts on the planet
- Assess the risks for ecosystems and human health
- Identify the actions that policy makers, stakeholders and citizens should put in place
- Improve awareness and communication skills related to the environmental sustainability

Required Text / Materials

Assigned readings will be posted on Sakai
Assigned readings will be found on various scientific and policy publications, printed papers/slides
Each week’s readings must be completed before coming to class

Attendance Policy

In accordance with the JFRC mission to promote a higher level of academic rigor, all courses adhere to the following absence policy. Prompt attendance, preparation and active participation in course discussions are expected from every student.

- For all classes meeting once a week, students cannot incur more than one unexcused absence.

This course meets _1_ a week, thus a total of _1_ unexcused absence(s) will be permitted. Unexcused absences beyond these will result in 1% lowering of the final course grade, for every absence after the “approved limit.”
The collective health of the JFRC is everyone’s responsibility. DO NOT ATTEND CLASS IF YOU ARE ILL.

**Assessment Components**

- Participation (including assignments) 30%
- Midterm Exam 25%
- Group Works 15%
- Final Exam 30%

**Participation**

Participation and attendance are key aspects of this course. Students must be active in participation and be prepared about the readings assigned along the course. They also should demonstrate to have passion and awareness towards this topic and should also contribute to stimulate the discussions respecting the different opinions of the other students.

**Midterm Exam**

The midterm exam is a fundamental moment along the course and will be based on an assignment related to the covered topics.

**Group Works**

We will create groups of 4-5 students that will discuss important environmental topics and the way to solve them: we will organize a team debate in which the students will play different roles (Citizen, Researcher, Policy Maker, Farmer/Industrial, Syndicate of workers) and will try to solve relevant questions (e.g. the effect on environment of a new industrial installation near a city).

**Final Exam**

The final exam will be based on the topics presented and discussed throughout the course. Students will have 2 hours to complete the exam.

**Grading**

94-100: A
90-93: A-
87-89: B+
84-86: B
80-83: B-
77-79: C+
74-76: C
70-73: C-
67-69: D+
60-66: D
59 or lower: F

**Academic Honesty**
Plagiarism and other forms of academic dishonesty are unacceptable at the JFRC and will be dealt with in accordance with Loyola University Chicago’s guidelines. Please familiarize yourself with Loyola’s standards here: [http://www.luc.edu/academics/catalog/undergrad/reg_academicintegrity.shtml](http://www.luc.edu/academics/catalog/undergrad/reg_academicintegrity.shtml). You are responsible to comply with the LUC Student Handbook.

**Late or Missed Assignments**
Late or missed assignments will not be accepted for grading without the authorization of the instructor. As per the JFRC academic policies, students who miss any scheduled exam or quiz, including a final exam at the assigned hours will not be permitted to sit for a make-up examination without approval of the Associate Dean of Academic Affairs. Permission is given rarely and only for grave reason; travel is not considered a grave reason. Make-up exams will only be given for documented absences.

**Accessibility Accommodations**
Students registered with the Student Accessibility Center requiring academic accommodations should contact the Office of the Dean at the John Felice Rome Center, the first week of classes.

**Course Schedule**

**Monday and Wednesday Class Days:**

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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Text/ Assignment</th>
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<tbody>
<tr>
<td>Week One (20th May)</td>
<td>UN Sustainable Development Goals</td>
<td>on sakai</td>
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<tr>
<td>Week One (22nd May)</td>
<td>Protection of Water Resources</td>
<td>on sakai</td>
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<td>Week Two (27th May)</td>
<td>Study visit (River Tiber)</td>
<td>on sakai</td>
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<td>Week Two (29th May)</td>
<td>Chemicals Strategy for Sustainability</td>
<td>on sakai</td>
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<td>Week Three (3rd June)</td>
<td>Biodiversity Protection (Botanical Garden visit)</td>
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<td>Week Three (5th June)</td>
<td>Climate Changes in the Mediterranean area</td>
<td>on sakai</td>
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<td>Week Four (10th June)</td>
<td>Sustainable Food Production</td>
<td>on sakai</td>
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<td>Week Four (12th June)</td>
<td>Work Groups</td>
<td>on sakai</td>
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<td>Week Five (17th June)</td>
<td>Waste and Circular Economy</td>
<td>on sakai</td>
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<td>Week Five (19th June)</td>
<td>Final Exam</td>
<td>on sakai</td>
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