

**John Felice Rome Center**  
**Course: Environmental Sustainability (Envs 283)**  
Spring 2024  
Monday 9am: 12am  
Dr. Mario Carere  
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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 and a practical activity about sustainability 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) | 25%  |
| • Midterm Exam                          | 25%  |
| • Group Works                           | 10 % |
| • Multimedia project                    | 15%  |
| • Final Exam                            | 25%  |

#### 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 arguments related to the covered topics. Students will have 2 hours to complete the exam.

#### 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).

#### Multimedia Project

Along the course students will be invited to write a project on a specific argument of the course, this project should include original pictures taken by the students and an optional video can be integrated.

#### 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



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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 Class Days:**

Monday,

<b>Date</b>	<b>Topic</b>	<b>Text/ Assignment</b>
Week One (15 <sup>th</sup> January)	Welcome/UN Sustainable Development goals	on sakai
Week Two (22 <sup>nd</sup> January)	Protection of Water Resources	on sakai
Week Three (29 <sup>th</sup> January)	Clean Oceans and Seas	on sakai
Week Four (5 <sup>th</sup> February)	Chemicals Strategy for Sustainability	on sakai
Week Five (12 <sup>th</sup> February)	Study Visit	



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Week Six (19 <sup>th</sup> February)	Ecosystems Health	on sakai
Week Seven (26 <sup>th</sup> February)	Mid Term Exam	on sakai
<u>Spring break (1<sup>st</sup>-10<sup>th</sup> March)</u>		
Week Eight (11 <sup>th</sup> March)	Climate Changes in the Mediterranean area	on sakai
Week Eight (15 <sup>th</sup> March)*	Sustainable Life Style	on sakai
Week Nine (18 <sup>th</sup> March)	Work Groups/Team Debate	on sakai
Week Ten (25 <sup>th</sup> March)	Sustainable Food Production	on sakai
Week Twelve (8 <sup>th</sup> April)	Green Deal Europe and Circular Economy	on sakai
Week Thirteen (15 <sup>th</sup> April)	Summary of the Course	on sakai
Week Fourteen (22 <sup>nd</sup> April)	Final Exam	

\*Friday Class