



Jerash University  
Jordan

# CLIMATE CHANGE AND SUSTAINABILITY POLICY MINOR PROGRAMME

## CLIMATE CHANGE AND SUSTAINABILITY POLICY MINOR PROGRAMME

The Climate Change and Sustainability Policy (CLIMASP) minor at Jerash University is an interdisciplinary programme funded by the European Commission Tempus under the coordination of the UNESCO Chair ICT in Education for Sustainable Development, University of Crete, Greece. Students from Faculty of Economics and Administrative Sciences, Faculty of Agriculture, Faculty of Arts and Faculty of Education choosing the CLIMASP minor as a complement of their major opens to them new opportunities for further studies and career paths.

The CLIMASP minor consists of core courses, elective courses and the required capstone course in three concentration areas: 1) Climate Change, Environment and Society; 2) Climate Change, Economics and Public Policy; and 3) Climate Change, Science and Technology. The courses included in the CLIMASP minor are an integral part of the participating disciplines curricula. It is, thus, an advantage for students seeking a meaningful and rewarding complement to their main field of study. Upon completion of the minor along with their major, students will be granted the Euro-Arab Pass diploma ranges from 45-60 ECTS.

The CLIMASP minor programme is administrated by the Euro-Arab Center for Interdisciplinary Studies and promotes five key learning processes and outcomes:

### EXTENDS BEYOND THE 4Cs FOR 21st CENTURY SUCCESS

A 21st century classroom must engage and energize all students to be active participants in building a more sustainable society. In doing so, the CLIMASP minor goes beyond mastering the 4 C's - creativity, critical thinking, communication, and collaboration. In addition, students will be prepared to grasp the skills of connectivity, critical consciousness, critical reflection, cross/inter-cultural competence, co-responsibility and constructing knowledge. All these skills are being highly recognised as the skills that CLIMASP students should be prepared for tackling the complexity of climate change and sustainability policy.

## APPLIES PROBLEM-BASED LEARNING TO TEACH 21st CENTURY SKILLS

The increased complexity of the climate change and sustainability policy challenges drives us in preparing our students to become inquirers, problem solvers, critical and creative thinkers. The CLIMASP minor provides our students with improved strategies to help them deal with these very complex situations. Problem-based learning (PBL) is one such strategy that is employed throughout the CLIMASP curriculum and teaching methods.

### VALUING CLIMATE CHANGE AND SUSTAINABILITY POLICY

Every aspect of climate change is shaped by ethical dispute and covers an array of fields: moral philosophy, science, economics, public policy, global justice, energy, and human rights, among others. Applying a values-based and PBL approach, the CLIMASP minor prepares students to comprehend and further explore the intersections of science, ethics, values, climate change and sustainability policy.

### LEARNING HOW TO TRANSFORMATIVELY ADAPT

Transformative learning in a climate change context involves climate risk negotiation, identification of vulnerabilities, and both proactive and reactive adaptation. The CLIMASP minor prepares students to learn how to transformatively adapt to the climate change vulnerabilities by seeking out relationships that potentially will help them deconstruct their frames of reference, habits of mind, and unsustainable practices.

### MERGING THEORY WITH PRAXIS

The CLIMASP curriculum blends classroom learning with experiential, constructivist and transformative practices, incorporating critical self-reflection, argumentation, community service, civic engagement and practicum placements. It adopts a critical pedagogy of sustainability that involves inter- and transdisciplinary engagement with students and community members in an effort to involve students in the process of sustainable thinking and action. In that way, it helps students experience the synergies of the 3Hs- head (cognition), heart (ethics and sentiment) and hand (praxis).

**Euro-Arab Center for  
Interdisciplinary Studies**



Co-funded by the  
Tempus Programme  
of the European Union



**CLIMASP**  
Climate Change and  
Sustainability Policy





## CLIMATE CHANGE AND SUSTAINABILITY MINOR PROGRAMME OUTLINE

### I. CORE COURSES

CLIMASP Orientations	Course ID	Course title	ECTS*	Department	Faculty
Climate Change, Environment and Society	501101	Human Rights	5	Public Law	Law
Climate Change, Economics and Public Policy	603116	Climate Change & Sustainable Policy	5	Agri. Economics	Agriculture
Climate Change, Science and Technology	601115	Environmental science & Agriculture	5	Plant Production	Agriculture

\* 3 Credit hours are equivalent to 5 ECTS

### II. CAPSTONE COURSE

Course ID	Course title	ECTS	Department	Faculty
607491	Practical applications in Food & Nutrition	10	Food Science & Nutrition	Agriculture
601491	Practical Agriculture1 (Plant Prod. & Prot.)	10	Plant Production & Protection	
102213	Research Methodologies	5	English Language	Arts
101103	The art of writing and expression	5	Translation	
102213	Research Methodologies	5		
101103	The art of writing and expression	5		
204216	Research Methodologies	5	Accounting	Econ. & Adm. Sci.
203499	Graduation Project	5		
701104	Practical Education 1	5	Classroom Teacher	Education
701416	Practical Education 2	5		
703406	Practical Education 1	10		

### III. ELECTIVE COURSES

CONCENTRATION AREA 1: Climate Change, Environment and Society				
Course ID	Course title	ECTS	Department	Faculty
607332	Human Nutrition	5	Nutrition	Agriculture
607336	Food Safety	5	Nutrition	Agriculture
204322	Knowledge management	5	Business Adm.	Econ. & Adm. Sci.
102108	Communication skills in English	5	English Language	Arts
701112	Thinking and Creativity	5	Class Room Teacher	Education



Jerash University

# CLIMATE CHANGE AND SUSTAINABILITY POLICY MINOR PROGRAMME

## CONCENTRATION AREA 2: Climate Change, Economics and Public Policy

Course ID	Course title	ECTS	Department	Faculty
206107	Introduction to Economics	5	Economics	Econ. & Adm. Sci.
501108	Contemporary legal Issues	5	Public Law	Law
501435	Environmental law	5	Public Law	Law
206310	Fiscal and monetary policies	5	Public Adm.	Econ. & Adm. Sci.
206107	Introduction to economics	5	Public Adm.	Econ. & Adm. Sci.
206343	Economic development	5	Public Adm.	Econ. & Adm. Sci.
206109	Macroeconomics	5	Public Adm.	Econ. & Adm. Sci.
206108	Microeconomics	5	Public Adm.	Econ. & Adm. Sci.
302222	Economic plants	5	Biology	Science

## CONCENTRATION AREA 3: Climate Change, Science and Technology

Course ID	Course title	ECTS	Department	Faculty
101099	Computer Skills	5	Comp. Sci.	IT
602340	Animal environment	5	Animal Prod.	Agriculture
302447	Biodiversity	5	Biology	Science
302105	General biology	5	Biology	Science
102309	Translation 1	5	English Language	Arts
601201	Plant Production	5	Plant Prod.	Agriculture
301101	General Chemistry	5	Chemistry	Science
304101	General Physics	5	Physics	Science

## HOW TO APPLY

Students must have completed at least one semester before applying to the CLIMASP Minor programme. The application must be accompanied by an approval from the CLIMASP faculty advisor.

## DEADLINES FOR REGISTRATION

Fall Semester: Thursday, Oct. 1

Spring Semester: Tuesday, Feb. 10

## FOR MORE INFORMATION

Contact Dr. Ali AL-Sharafat ([alijerash@gmail.com](mailto:alijerash@gmail.com), or [bkhitan2@yahoo.com](mailto:bkhitan2@yahoo.com)) Tel. 0096226350521, ext. 135 & 136

\*The content of the flyer reflects the views of the authors, and the Commission cannot be held responsible for any use which may be made of the information.

**Euro-Arab Center for Interdisciplinary Studies**



Co-funded by the Tempus Programme of the European Union



**CLIMASP**  
Climate Change and Sustainability Policy

