**CLIMATE CHNGE AND SUSTAINABILITY POLICY MINOR PROGRAMME**



**Jerash University**

**Jordan**

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).

**CLIMATE CHANGE AND SUSTAINABILITY MINOR PROGRAMME OUTLINE**



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**I. CORE COURCES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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**

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| --- | --- | --- | --- | --- |
| **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 | Kindergarten |

**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 |



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| **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**

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