



Hashemite University

CLIMATE CHANGE AND SUSTAINABILITY POLICY MINOR PROGRAMME

The Climate Change and Sustainability Policy (CLIMASP) minor at The Hashemite University is an interdisciplinary program 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 Educational Sciences, Faculty of Economics, Faculty of Science, Faculty of Information Technology, Faculty of Natural Resources and Environment, 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 program 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 recognized 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 trans-disciplinary 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).





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CLIMATE CHANGE AND SUSTAINABILITY MINOR PROGRAMME OUTLINE

I. CORE COURSES

CLIMASP Orientations	Course ID	Course title	Credit hours	ECTS*	Department	Faculty
Climate Change, Environment and Society	110108133	Environmental Awareness	3	5	Allied Basic Sciences	Science
Climate Change, Economics and Public Policy	111404120	Economics and Administration	3	5	Economics	Economics and Administrative Sciences
Climate Change, Science and Technology	110108104	Energy and it's Resources	3	5	Water Management and Environment	Natural Resources & Environment

* 3 Credit hours are equivalent to 5 ECTS

II. CAPSTONE COURSE

Course ID	Course title	Credit hours	ECTS	Department	Faculty
303495	Practicum	6	10	Curriculum and Instruction	Educational Sciences
1100201455	Special Topics	3	5	Economics	Economics and Administrative Sciences
110104495	Special Topics	3	5	Biology and Biotechnology	Science
151001491	Special Topics	3	5	Computer Science and Applications	Prince Al-Hussein Bin Abdullah II for information Technology
111202477	Research Project in Climate Change and Sustainability Policy	3	5	Land Management and Environment	Natural Resources and Environment
111202475	Special Topics	3	5	Water Management and Environment	Natural Resources and Environment
111202370	Environmental Volunteering	3	5	Land Management and Environment	Natural Resources and Environment





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III. ELECTIVE COURSES

CONCENTRATION AREA 1: Climate Change, Environment and Society

Course ID	Course title	Credit hours	ECTS	Department	Faculty
110302237	Biological Concepts and their Teaching Methods	3	5	Curriculum and Instruction	Educational Sciences
110302238	Teaching Methods of Chemistry and Geology Concepts	3	5	Curriculum and Instruction	Educational Sciences
110302419	Education for Sustainable Development	3	5	Curriculum and Instruction	Educational Sciences
111203458	Climate Change	3	5	Water Management and Environment	Natural Resources and Environment
111203424	Environmental Impact Assessment	3	5	Water Management and Environment	Natural Resources and Environment
111202411	Environmental Spatial and Temporal Variability	3	5	Land Management and Environment	Natural Resources and Environment

CONCENTRATION AREA 2: Climate Change, Economics and Public Policy

Course ID	Course title	Credit hours	ECTS	Department	Faculty
110201412	Economics Feasibility Studies	3	5	Economics	Economics and Administrative Sciences
110201327	The Economics of Natural Resources and Environment	3	5	Economics	Economics and Administrative Sciences
110201414	Jordan Economy	3	5	Economics	Economics and Administrative Sciences
110203209	Business Ethics	3	5	Economics	Economics and Administrative Sciences
111203222	Environmental Legislation and Policy	3	5	Water Management and Environment	Natural Resources and Environment
1203433	Environmental Sociology	3	5	Water Management and Environment	Natural Resources and Environment





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107751	Contemporary International Issues			Environment Humanities and Social Sciences	Art
CONCENTRATION AREA 3: Climate Change, Science and Technology					
Course ID	Course title	Credit hours	ECTS	Department	Faculty
110104362	Developmental Biology	3	5	Biotechnology and Society	Science
110108113	Biotechnology and Society	3	5	Allied Basic Sciences	Science
1203481	Renewable Energy Resources	3	5	Water Management and Environment	Natural Resources and Environment
111001214	Multimedia Programming	3	5	Computer Science and Applications	Prince Al-Hussein Bin Abdullah II for Information Technology
111001320	Computer Networks	3	5	Computer Science and Applications	Prince Al-Hussein Bin Abdullah II for Information Technology
110108115	Computer Ethics	3	5	Computer Science and Applications	Prince Al-Hussein Bin Abdullah II for information Technology

HOW TO APPLY

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

DEADLINES FOR REGISTRATION

Spring Semester: Thursday, 28/1/2016

FOR MORE INFORMATION

Contact Dr. Theodora De Baz, (tdebaz@gmail.com, or tdebaz@hu.edu.jo) Tel. 00962-5-3903333 ext. 4211

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