

**Curriculum of Climate Change Department**  
**Bachelor Degree**

**First Level**

**First Semester**

<b>ECTS</b>	<b>Hours</b>	<b>Total</b>	<b>Type</b>	<b>Course Name</b>	<b>No.</b>
5	47	78	B	Mathematics	1
4	37	63	B	Introduction to Climate Change	2
6	72	78	B	General Biology	3
5	62	63	B	Introduction to Ecology	4
6	72	78	B	Earth Science	5
2	17	33	B	English Language I	6
2	17	33	B	Democracy and Human Rights	7

**Second Semester**

ECTS	Hours	Total	Type	Course Name	No.
7	-	-	-	General Physics	1
7	-	-	-	General Chemistry	2
5	-	-	-	Cartography	3
6	-	-	-	Climate and Biodiversity	4
3	-	-	-	Computer Science I	5
2	-	-	-	Arabic Language I	6

### Second Level

#### First Semester

ECTS	Hours	Total	Type	Course Name	No.
6	-	-	-	Weather and Climate	1
7	-	-	-	Environmental Chemistry	2
4	-	-	-	Natural Resource Management	3
4	-	-	-	Sustainable Agriculture	4

ECTS	Hours	Total	Type	Course Name	No.
5	-	-	-	Geographic Information Systems	5
2	-	-	-	English Language II	6
2	-	-	-	Research Ethics	7

### Second Semester

ECTS	Hours	Total	Type	Course Name	No.
6	-	-	-	Environmental Geology	1
6	-	-	-	Hydrology	2
4	-	-	-	Agriculture and Climate Change	3
4	-	-	-	Atmospheric Science	4
5	-	-	-	Environmental Statistics	5
2	-	-	-	Arabic Language II	6
3	-	-	-	Computer Science II	7

### Third Level

### First Semester

ECTS	Hours	Total	Type	Course Name	No.
5	-	-	-	Air and Water Pollution	1
4	-	-	-	Fundamentals of Global Warming	2
4	-	-	-	Weather Monitoring Systems	3
4	-	-	-	Drought Monitoring and Assessment	4
4	-	-	-	Soil Physics	5
5	-	-	-	GIS Applications in Meteorology	6
4	-	-	-	Urban Planning	7

### Second Semester

ECTS	Hours	Total	Type	Course Name	No.
6	-	-	-	Environmental Geochemistry	1
5	-	-	-	Soil Pollution	2
5	-	-	-	Water Management and Recycling	3
4	-	-	-	Food Security and Climate Change	4

ECTS	Hours	Total	Type	Course Name	No.
5	-	-	-	Weather Analysis and Forecasting	5
5	-	-	-	Natural Resource Economics	6

#### Fourth Level

##### First Semester

ECTS	Hours	Total	Type	Course Name	No.
5	-	-	-	Renewable Energy	1
6	-	-	-	Remote Sensing	2
5	-	-	-	Extreme Weather and Natural Disasters	3
5	-	-	-	Mitigation and Adaptation	4
5	-	-	-	Sustainable Development	5
4	-	-	-	Graduation Project	6

##### Second Semester

ECTS	Hours	Total	Type	Course Name	No.
5	-	-	-	Climate Change Mitigation Strategies	1

ECTS	Hours	Total	Type	Course Name	No.
5	-	-	-	Environmental Impact Assessment	2
5	-	-	-	Environmental Laws and Regulations	3
6	-	-	-	Climate Change and Public Health	4
5	-	-	-	Meteorology	5
4	-	-	-	Graduation Project	6