



Faculty of Natural Resources
Department of Climatology

BA/BSc Program in Climatology

First Semester				Second Semester			
Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites
1036002	Foreign Language(the public)	3	-	1036001	Persian language (The Public)	3	-
1034001	Islamic Thought 1	2	-	1034004	Ethics and Islamic education	2	-
6018002	Mathematics (1)	2	-	6018091	Geomorphology	2	Public Geology
6018099	Philosophy of Geography	2	-	6018092	Climatology	2	-
6018120	Public Geology	2	-	6018094	Tourism Geography	2	-
6018001	Earth in space	2	-	6018104	Population Geography	2	-
6018110	Reading Map	2	-	6018106	Cultural geography	2	-
-	-	-	-	6018093	political geography	2	-
-	-	-	-	6018111	Mapping	2	Mathematics (1)
Third Semester				Fourth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites
9912008	Analytical History of Early Islam	2	-	1034002	Islamic Thought 2	2	Islamic Thought 1
1036003	Physical Education 1	1	-	1036004	Physical Education 2	1	Physical Education 1
6018108	Rural geography	2	-	6018100	Research methodology in geography	2	-
6018105	Economic geography	2	-	6018098	Rural Geography of Iran	2	Rural geography
6018107	Urban geography	2	-	6018124	Probability and Statistics for Geography (2)	2	Statistics and probabilities (1)
6018003	Statistics and probabilities (1)	2	-	6018113	Principles of Geographic Information System (GIS)	2	Principles of Remote Sensing
6018101	Historical Geography of Iran	2	-	6018109	Methods of regional planning and land use Plans	2	-
6018112	Principles of Remote Sensing	2	Mapping	6018025	Biogeography	2	-
6018119	World Studies	2	-	6018116	Urban Geography of Iran	2	Urban geography
Fifth Semester				Sixth Semester			



Course Code	Course Title	Credits	Prerequisites/Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites
1034007	The Islamic texts (Koran commentary)	2	-	1036006	Family knowledge and population	2	-
6018095	Population Geography of Iran	2	Population Geography	1334005	Islamic Revolution of Iran	2	-
6018101	Hydrology	2	-	6018122	Mathematics for geography (2)	2	Mathematics(1)
6018096	Economic Geography of Iran	2	Economic Geography	6018097	Political Geography of Iran	2	Political Geography
6018024	Geography of soils	2	-	6018114	Fundamentals of Computer Programming	2	-
6018026	Climatology of Iran	2	Climatology	6018123	Environmental Changes	2	-
6018103	Environmental hazards	2	-	6018118	Entrepreneurship	2	-
6018115	Geomorphology of Iran (1)	2	Geomorphology	6018121	Water Problems	2	Hydrology
-	-	-	-	6018117	Environment and its rights	2	-
Seventh Semester				Eighth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites
6018204	Earth's Climate	2	Climatology	6018197	Programing and Climatology Software	2	
6018203	Microclimatology	2		6018199	Statistical Climatology	2	Statistics and Probabilities (1) & Probability and Statistics for Geography (2)
6018201	Research Methods in Climatology	2	Research methodology in geography	6018205	Air pollution and Atmospheric chemistry	2	
6018202	Hydro-Climatology	2	Hydrology	6018198	Dynamic Climatology	2	
6018196	Mathematics and Climatology	2	Mathematics(1) & Mathematics for geography (2)	6018190	Climate Modeling	2	Climatology
6018195	Satellite Climatology	2	Principles of Remote Sensing	6018193	Preparing and Interpreting Maps and Climatic Charts	2	
6018200	Physical Climatology	2	-	6018191	Spatial Analysis and Climatology processes	2	Principles of Geographic Information System (GIS)
6018194	Climate Database and Weather Maps	2	-	6018141	project	2	
6018192	General Physics	2	-				
Classification by the Type of the Courses							
Course Type		Credits					
Public Course		22					
Basic Course		80					
Main Course		34					
Total Units: 136							



MA/MSc Program in Environmental Climatology							
First Semester				Second Semester			
Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites
6020015	Advanced Theories and research methods in Climatology	2	-	6020011	Health Climatology	2	-
6020017	Advanced statistical methods in Climatology	2	-	6020012	Urban Climatology and Transportation	2	-
6020019	Methods of synoptic Climatology	2	-	6020014	Climate and environment design	2	-
6020067	Agriculture Climatology	2	-	6020013	Climatology and energy management	2	-
Third Semester				Fourth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/Co-requisites
6020018	Techniques of Satellite Climatology	2	-	-	-	-	-
6020020	Hydro-Climate of Iran's rivers Basins	2	-	-	-	-	-
6020010	Boundary Layer Climate	2	-	-	-	-	-
6020016	Spatial analysis of climate data using GIS	2	-	-	-	-	-
6020072	Thesis	6	-	-	-	-	-
Classification by the Type of the Courses							
Course Type		Credits					
Basic Course		12					
Main Course		12					
Thesis		6					
Total Units: 30							