



Faculty of Natural Resources
Department of Environmental Sciences

BSc Program in Environmental Science and Engineering

First Semester				Second Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-98-121	General Mathematics	3	-	60-98-017	General Soil Science	3	-
60-98-004	General Chemistry	3	-	60-20-027	Geomorphology	3	-
60-98-124	Botany: Morphology and systematics	3	-	60-24-024	Trees and Shrubs of Iran	2	60-98-124
60-98-128	Natural Resources Economy	2	-	60-98-025	Cartography	2	-
10-36-002	English Language	3	-	60-98-126	Introduction to Environmental Sciences	3	-
10-34-001	Islamic Thought 1	2	-	10-34-002	Islamic Thought 2	2	-
10-36-003	Physical Education (sport) 1	1	-	10-36-001	Persian Language	3	-
Third Semester				Fourth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-98-016	Meteorology and climatology	3	-	60-98-127	General Hydrology		60-98-016
60-98-123	General Ecology	2	-	60-24-053	Field Botany		60-98-124
60-24-133	Environmental Chemistry	2	60-98-004 60-98-128	60-98-122	Statistics		-
60-98-009	Zoology	3	-	60-24-136	Behavioral and Evolutionary Ecology		60-98-123
60-24-141	Genetic	2	-	60-24-118	Wildlife Biology		60-98-009
60-24-142	Land Surveying	3	60-98-025	60-24-116	Principles of Remote Sensing		-
10-34-007	Thematic Commentary of the Quran	2	-	10-34-004	Ethics of Islam (Principles and Concepts)		-
129-98-60	Geographic Information System	2	-	-	-	-	-
Fifth Semester				Sixth Semester			
Course Code	Course Title	Credits	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-120	Protected Areas	2	-	60-24-048	Environment and Public Participation	2	60-24-038
60-24-139	Experimental Designs in Natural Resources	2	60-98-122	60-24-117	Wildlife Ecology	2	60-98-123 60-24-118
60-24-134	Landscape ecology	2	60-98-123	60-24-143	Soil and Water Conservation	2	60-98-017



							60-24-038
60-24-025	Ornithology	2	60-24-118	60-24-034	Air Pollution	2	60-24-144
60-24-067	Technical language	2	-	60-24-121	Management and Planning of Protected Areas	2	60-24-120
60-24-038	Principles of Environmental Sciences	2	60-98-126	60-98-130	Marine Ecology	2	60-98-123
60-24-144	Water and Soil pollution	3	60-24-133	60-24-137	Ecotourism	2	60-24-120
10-36-003	Physical Education (sport) 2	1	-	60-24-131	Internship 1	3	-
10-34-006	Analytical History of Islam	2	-	10-34-005	Iran's Islamic Revolution	2	-
Seventh Semester				Eighth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-125	Land Capability Assessment	2	60-98-128 129-98-60	60-24-126	Introduction to Environmental Impact Assessment	2	60-24-125
60-24-119	Wildlife Management	3	60-24-118	60-24-140	Sustainable Development and Environment	3	60-98-128
60-24-122	Protected Area Design	2	60-24-121	60-24-130	Field Work Skills in Environmental Sciences	2	60-24-125 60-24-034
60-24-127	Solid Waste Management	2	60-24-144	60-24-135	Climate Change	2	60-24-034 60-98-016
60-24-128	Environmental Law and Policy	2	60-24-120	60-24-123	Conservation Biology	2	60-24-117
60-24-124	Ecology of Wetlands and Rivers	2	60-98-123	60-24-129	Health, Safety and Environment (HSE)	2	60-24-034
60-24-138	Transportation and Environment	2	60-98-128	60-24-132	Project (Internship 2)	2	-
10-36-006	Family and Population Knowledge	2	-	-	-	-	-
Classification by the Type of the Courses							
Course Type		Credits					
General		22					
Basics Courses		30					
Professional Compulsory		78					
Professional Electives		10					
Total Units:		140					


MSc Program in Biodiversity Management and Conservation

First Semester				Second Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-075	Research Methods	2	-	60-24-189	Advanced remote sensing	2	-
60-24-188	Advanced Statistical Methods	2	-	60-24-149	Conservation Genetics	2	-
60-24-145	Geographic Information System	2	-	60-24-148	Habitat Management and Evaluation	2	-
60-24-180	Complementary Wildlife Ecology	2	-	60-24-151	Participatory Conservation	2	-
60-24-171	Migratory Species Management	2	-	60-24-170	Invasive Species Management	2	-
60-24-152	Wildlife Population Monitoring	2	-	60-24-175	Tourism in Protected Areas	2	-
60-24-164	Climate Change Impact Assessment	2	-	-	-	-	-
Third Semester				Fourth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-023	Thesis	6	-	60-24-023	Thesis	6	-
Classification by the Type of the Courses							
Course Type		Credits					
Compulsory Professional-Common		16					
Optional Professional- Specific		16					
Total Units:		32					


MSc Program in Environmental Pollution

First Semester				Second Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-075	Research Methods	2	-	60-24-189	Advanced Remote Sensing	2	-
60-24-188	Advanced Statistical Methods	2	-	60-24-156	Air Pollution Monitoring and Control	2	-
60-24-145	Geographic Information System	2	-	60-24-154	Environmental Pollution Monitoring	2	-
60-24-191	Marine Pollution	2	-	60-24-190	Industrial pollution	2	-
60-24-183	Waste Recycling	2	-	60-24-184	Advance Soil and Water Pollution	2	-
60-24-158	Environmental Biogeochemistry	2	-	60-24-085	Site Selection and Design of Landfill	2	-
60-24-164	Climate Change Impact Assessment	2	-	-	-	-	-
Third Semester				Fourth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-023	Thesis	6	-	60-24-023	Thesis	6	-
Classification by the Type of the Courses							
Course Type		Credits					
Compulsory Professional-Common		16					
Optional Professional- Specific		16					
Total Units:		32					


MSc Program in Land Use Planning and Environmental Impact Assessment

First Semester				Second Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-075	Research Methods	2	-	60-24-189	Advanced Remote Sensing	2	-
60-24-188	Advanced Statistical Methods	2	-	60-24-182	Landscape Planning	2	-
60-24-145	Geographic Information System	2	-	60-24-192	Environmental Impact Assessment	2	-
60-24-089	Workshop in Environmental Assessment and Programing	2	-	60-24-161	Environmental Risk assessment	2	-
60-24-072	Spatial Planning	2	-	60-24-163	Environmental Planning and Management Techniques	2	-
60-24-172	Recreation Area Planning	2	-	60-24-174	Nature Tourism Economic	2	-
60-24-164	Climate Change impact assessment	2	-	-	-	-	-
Third Semester				Fourth Semester			
Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites	Course Code	Course Title	Credit(s)	Prerequisites/ Co-requisites
60-24-023	Thesis	6	-	60-24-023	Thesis	6	-

Classification by the Type of the Courses

Course Type	Credits
Compulsory Professional-Common	16
Optional Professional- Specific	16
Total Units:	32