

## COURSE LIST

### Institute of Natural and Applied Sciences

#### Field : Fishing and Fish Processing Techniques

Course Title	Code	ECTS Credit	COMU Credit	Lecturer
Mechanization and Automation in Fisheries	ULP-21-SA001	7.5	4	Prof. Dr. Ali İşmen
Methods for Research and Data Processing in Fisheries	ULP-21-SA002	7.5	3	Yrd. Doç. Dr. Özcan Özen
Special Fishing Methods	ULP-21-SA003	7.5	4	Prof. Dr. Ali İşmen
Critical Control in Processing HACCP	ULP-21-SA004	7.5	4	Prof. Dr. Ali İşmen
Advanced Food Microbiology	ULP-21-SA005	7.5	4	Yrd. Doç. Dr. Özcan Özen
Fisheries Hydrography	ULP-21-SA006	7.5	3	Prof. Dr. Ali İşmen
Fishing Methods of Marine Invertebrates	ULP-21-SA007	7.5	3	Prof. Dr. Ali İşmen
Lessepsian Fishes	ULP-21-SA008	7.5	3	Prof. Dr. Ali İşmen
Underwater Sampling Methods	ULP-21-SA009	7.5	4	Yrd. Doç. Dr. Adnan Ayaz
Estimation of Fisheries Population Parameters	ULP-21-SA010	7.5	3	Yrd. Doç. Dr. Özcan Özen
Trawl Nets and Trawl Fisheries	ULP-21-SA011	7.5	4	Yrd. Doç. Dr. Uğur Altınağaç
Ethology of Fishes	ULP-21-SA012	7.5	4	Yrd. Doç. Dr. Özcan Özen
Source Management in Fisheries	ULP-21-SA013	7.5	2	Yrd. Doç. Dr. Özcan Özen
Offshore Fishing	ULP-21-SA014	7.5	4	Prof. Dr. Ali İşmen
Effects on Fish Migration Fisheries	ULP-21-SA015	7.5	4	Prof. Dr. Ali İşmen
Fishing Gear Design & Manufacturing	ULP-21-SA016	7.5	4	Prof. Dr. Ali İşmen
Purse Seine Fisheries Technology	ULP-21-SA017	7.5	3	Prof. Dr. Ali İşmen
Basics of Restrictions in Fisheries	ULP-21-SA018	7.5	4	Prof. Dr. Ali İşmen
Effects of Fishing on Stocks	ULP-21-SA019	7.5	4	Prof. Dr. Ali İşmen
Scuba Diving	ULP-21-SA020	7.5	3	Yrd. Doç. Dr. Uğur Altınağaç

Course Code	ULP-21-SA001
Name of the Course in English	Mechanization and Automation in Fisheries
Name of the Course in Turkish	Balıkçılıkta Mekanizasyon ve Otomasyon
Language of the Course	English
Level of the Course	Master
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Detailed evaluation of mecanisation systems used on board of fishing vessels, net holding systems, cranes, specific mecanical systems.

Course Code	ULP-21-SA002
Name of the Course in English	Methods for Research and Data Processing in Fisheries
Name of the Course in Turkish	Su Ürünlerinde Araştırma ve Değerlendirme Yöntemleri
Language of the Course	English
Level of the Course	Master
Lecturer	Yrd. Doç. Dr. Özcan ÖZEN
ECTS Credit	7,5
COMU Credit	3
Description	Application of scientific work on marine environment (oceanographic biology, marine

	geophysics-sysmicsetc.). Investigation methods and data processing in applied marine biology studies.
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Course Code	ULP-21-SA003
Name of the Course in English	Special Fishing Methods
Name of the Course in Turkish	Su Ürünleri Özel Avlama Yöntemleri
Language of the Course	English
Level of the Course	Master
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Fishing methods different than the traditional method sused in Turkey and other countries.

	ULP-21-SA004
	Estimation of Fish Stocks
	Balıkçılıkta Stok Tahmini
	English
	Master
	Prof. Dr. Ali İŞMEN
	7,5
	4

Course Code	ULP-21-SA005
Name of the Course in English	Advanced Research Techniques and Methods in Fisheries
Name of the Course in Turkish	İleri Balıkçılık Araştırma Teknik ve Yöntemleri
Language of the Course	English
Level of the Course	Master
Lecturer	Yrd. Doç. Dr. Özcan ÖZEN
ECTS Credit	7,5
COMU Credit	4
Description	Theories and technics in fisheries research, sampling design, and sampling methods, evaluation of samples, statistical approach in research.

Course Code	ULP-21-SA006
Name of the Course in English	Fisheries Hydrography
Name of the Course in Turkish	Balıkçılık Hidrografisi
Language of the Course	English
Level of the Course	Master
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	3
Description	Productivity of marine and fresh water environment.

	Evaluation of the problems of marine biomass ethology in relation with oceanographic and meteorologic conditions.
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Course Code	ULP-21-SA007
Name of the Course in English	Fishing Methods of Marine Invertebrates
Name of the Course in Turkish	Deniz Omurgasızları Avlama Yöntemleri
Language of the Course	English
Level of the Course	Master
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	3
Description	Technical designs of fishing gears and equipments used for the catch of marine invertebrates.

Course Code	ULP-21-SA008
Name of the Course in English	Lessepsian Fishes
Name of the Course in Turkish	Leseptiyen Balıklar
Language of the Course	English
Level of the Course	Master
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	3
Description	Lessepsian fish species, bioecological features, Lessepsian fish migration to the Mediterranean,

	migration speed, effects on the Mediterranean, the importance for Turkish fisheries.
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Course Code	ULP-21-SA009
Name of the Course in English	Underwater Sampling Methods
Name of the Course in Turkish	Sualtı Örnekleme Teknikleri
Language of the Course	English
Level of the Course	Master
Lecturer	Yrd. Doç. Dr. Adnan AYZ
ECTS Credit	7,5
COMU Credit	4
Description	Planning of diving survey and explanation of underwater sampling methods.

Course Code	ULP-21-SA010
Name of the Course in English	Estimation of Fisheries Population Parameters
Name of the Course in Turkish	Balıkçılık Populasyon Parametrelerinin Tahmini
Language of the Course	English
Level of the Course	Master
Lecturer	Yrd. Doç. Dr. Özcan ÖZEN
ECTS Credit	7,5
COMU Credit	3
Description	Methods of estimating natural and fishing mortality, survival, and recruitment processes

Course Code	ULP-21-SA011
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Name of the Course in English	Trawl Nets and Trawl Fisheries
Name of the Course in Turkish	Trol Ağları ve Trol Balıkçılığı
Language of the Course	English
Level of the Course	Master
Lecturer	Yrd. Doç. Dr. Uğur ALTINAĞAÇ
ECTS Credit	7,5
COMU Credit	4
Description	Trawl nets and trawl vessels, on-board equipment, legal applications, species caught and trawl net models

Course Code	ULP-21-SA012
Name of the Course in English	Ethology of Fishes
Name of the Course in Turkish	Balık Davranışları
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Yrd. Doç. Dr. Özcan ÖZEN
ECTS Credit	7,5
COMU Credit	4
Description	Feeding, breeding and behavior during migration of pelagic and demersal fishes.

Course Code	ULP-21-SA013
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Name of the Course in English	Source Management in Fisheries
Name of the Course in Turkish	Su Ürünlerinde Kaynak Yönetimi
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Yrd. Doç. Dr. Özcan ÖZEN
ECTS Credit	7,5
COMU Credit	2
Description	History and the present state of source management, fishing license, control of fishing activities, selectivity in fisheries, national fisheries, fishing competition, regional cooperation.

Course Code	ULP-21-SA014
Name of the Course in English	Offshore Fishing
Name of the Course in Turkish	Açık Deniz Balıkçılığı
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Factors affecting offshore fisheries, important fishing grounds in the world, necessary facts for offshore fisheries

Course Code	ULP-21-SA015
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Name of the Course in English	Effects on Fish Migration Fisheries
Name of the Course in Turkish	Balık Göçleri ve Balıkçılığa Etkisi
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Migrations of economically important fish species, and factors affecting their migration, their contribution to small scale and large scale fishing.

Course Code	ULP-21-SA016
Name of the Course in English	Fishing Gear Design & Manufacturing
Name of the Course in Turkish	Av Araçları Tasarımı ve Yapımı
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Studies on the improvement of fishing gears and manufacturing procedures.

Course Code	ULP-21-SA017
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Name of the Course in English	Purse Seing & Technology
Name of the Course in Turkish	Sürütme Ağları Balıkçılığı ve Teknolojisi
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	3
Description	Fishing gears used in the purse seing method, fishing methods, technologic developments and improvements in purse seing nets, selectivity and problems.

Course Code	ULP-21-SA018
Name of the Course in English	Basics of Restrictions in Fisheries
Name of the Course in Turkish	Su Ürünleri Avcılığında Yasak ve Sınırlamaların Temel İlkeleri
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Fishing methods and marine environment as determinant of fisheries, the aim of regulations and

	limits of fishing, establishment of fishing seasons and areas, regulations of fishing effort, mesh size regulations etc
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Course Code	ULP-21-SA019
Name of the Course in English	Effects of Fishing on Stocks
Name of the Course in Turkish	Avcılığın Doğal Balık Stok Düzeyleri Üzerine Etkileri
Language of the Course	English
Level of the Course	Doctorate
Lecturer	Prof. Dr. Ali İŞMEN
ECTS Credit	7,5
COMU Credit	4
Description	Effects of active and passive fishing methods on pelajic, demersal and semi-demersal species. Assessment of fishery resource and management strategies.

Course Code	ULP-21-SA020
Name of the Course in English	Scuba Diving
Name of the Course in Turkish	Aletli Dalma Tekniği
Language of the Course	English

Level of the Course	Doctorate
Lecturer	Yrd. Doç. Dr. Uğur ALTINAĞAÇ
ECTS Credit	7,5
COMU Credit	3
Description	<p>The lesson includes scuba diving and applications.</p> <p>It contains diving accidents and diseases, underwater signals, harmful marine organisms and first aid in scuba.</p>