



T.C.
Akdeniz University
Faculty Of Fisheries
Department Of Aquaculture Engineering Department
Course Contents

2.CLASS SPRING

Lesson Code : SUM 320	Lesson Name : Reclamation of lakes and wetlands	T+U : 2+0	Credit : 2	ECTS : 3
Content of the Course : General information about lake and wetland ecosystems, internal and external factors affecting lake and wetland ecosystems, water, nitrogen and phosphorus budget, determination of trophic status, problems of lake and wetlands and solution ways, principles of lake management, determination, management strategies, sampling studies, the parameters to be selected for analysis and determination of sampling frequency, Biomanipulation, socio-economic effects on management.				
Lesson Code : SUM 254	Lesson Name : Planktonology	T+U : 1+2	Credit : 2	ECTS : 2
Content of the Course : Identification of planktonic organisms, and biological characteristics according to place of Occurrence Classification, sampling tools and features, sampling methods, samples taken from the storage methods, each classification of organisms zooplanktonic divizyoya phytoplanktonic and give basic information on important species and biological özelliklerinin specified. Planton shot from the sea . review and reporting of organisms in the laboratory under a microscope, and inland water planktonik				
Lesson Code : SUM 252	Lesson Name : Introduction to Marine Biology	T+U : 2+2	Credit : 3	ECTS : 3
Content of the Course : Coastal biological, morphological and ecological characteristics of the information given on the seas and the introduction of marine species				
Lesson Code : SUM 381	Lesson Name : Seafood Microbiology	T+U : 2+2	Credit : 3	ECTS : 2
Content of the Course : General properties of microorganisms, recognition of bacteria, viruses, yeasts, prevention of contaminations, minimizing of infectionsi intoxications and poisonings				
Lesson Code : SUM 452	Lesson Name : Fish Health Management	T+U : 2+0	Credit : 2	ECTS : 3
Content of the Course : Fish, health, wealth, management				
Lesson Code : SÜM 442	Lesson Name : Microbiology of Aquatic Ecosystems	T+U : 2+0	Credit : 2	ECTS : 3
Content of the Course : Systematics, reproduction, ecology, physiology and metabolism of microorganisms in aquatic ecosystem, classification, Prokaryotic (Arkebacterians, Cyanobacteria and Bacteria) and eukaryotic microorganisms (Algae, Protozoon, fungi) and viruses, fresh water and marine microbiology, water pollution issues.				
Lesson Code : SUM 408	Lesson Name : Fisheries Management	T+U : 2+0	Credit : 2	ECTS : 3
Content of the Course : Characteristics of fisheries activities in Turkey, Legal and legal regulations related to fisheries, Fisheries management practices and the role of fishermen, Basic biological, social and economic concepts related to fisheries management, Problems encountered in fisheries management and solutions.				
Lesson Code : SUM 210	Lesson Name : Fish Taxonomy	T+U : 3+2	Credit : 4	ECTS : 3
Content of the Course : Between the location of the fish vertebrates, morphological and anatomical features tanıtım. What is a nomenclatur? How to give names to animals. General features of cartilaginous and bony fishes and important expression differences. Cartilaginous and bony fishes presentation of the important features of taxonomic families. Economic Fish in the sea and inland water biological properties of Turkey's. Zoogeographic importance of Turkey				

Lesson Code : SUM 208	Lesson Name : Water Quality and Control	T+U : 2+2	Credit : 3	ECTS : 3
Content of the Course :				
Water quality criteria, Pollution criteria, Causes and prevention of pollution.				

Lesson Code : SUM 202	Lesson Name : Limnology	T+U : 2+2	Credit : 3	ECTS : 3
Content of the Course :				
Importance of lymnology, rivers, lakes, living communities in inland waters, pollution resources and protection inland waters				

Lesson Code : SUM 214	Lesson Name : Fluid Mechanics	T+U : 2+0	Credit : 2	ECTS : 2
Content of the Course :				

Lesson Code : SUM 245	Lesson Name : Fish Anatomy and Physiology	T+U : 2+2	Credit : 3	ECTS : 3
Content of the Course :				
Morphological fishes (parts of the body, fins and positions) and the anatomical structures and the fishes' digestive system, circulatory system, respiratory system, reproductive system, muscular system, endocrine system, nervous system, excretory system, and osmo-regulation functions, electric organs, skin and structure, stamps , chromatophores, the color and the coloration, bioluminescence organs, glands and the poison spurs, are given.				

Lesson Code : SUM 226	Lesson Name : Aquatic Plants Culture	T+U : 2+0	Credit : 2	ECTS : 3
Content of the Course :				
General biological features of water plants (Morphology, anatomy, reproduction), Classification of aquatic plants- Charophyta, Bryophyta, Pteridophyta, Advantage of use the aquatic plants, Disadvantages of use the aquatic plants and solutions, Aquatic plants used in aquaculture, Aquatic plants used to being purified of waters, The effects and risks on fishing of Aquatic plants, The use for industry in Aquatic plants and The importance of aquatic plants in the future				

Lesson Code : SÜM 216	Lesson Name : Hygiene and Sanitation in Seafood Processing Plants	T+U : 2+0	Credit : 2	ECTS : 3
Content of the Course :				
Basic knowledge about hygiene. What is hygiene, pathogen microorganisms, disinfestation, sanitation				