

University of the Philippines in the Visayas
COLLEGE OF FISHERIES AND OCEAN SCIENCES
 Miagao, Iloilo

CURRICULUM
MASTER OF AQUACULTURE

SUMMER

COURSE NO./TITLE	UNITS
Fisheries 141.1 Principles of Aquaculture	(3)
Fisheries 203.1 Seed Production	2
Fisheries 204.1 Pond Design and Construction	3
Fisheries 209 Cultivable Species	2
	<u>7</u>

First Semester	Units	Second Semester	Units
Fisheries 202 Fish Diseases	3	Fisheries 213 Shellfish Culture	2
Fisheries 205.1 Pond Culture, Methods and Practices	3	Fishereis 207.1 Feed and Feeding Practices	2
Fisheries 210 Pen & Cage Culture	3	Fishereis 216 Aquaculture Extension 2	3
Fisheries 214 Seaweed Culture	2	Fisheries 239.1 Post Harvest Technology	3
Elective	<u>2</u>	Elective	2
	13		-
			11

ELECTIVES:

Fisheries 211 Recirculating System	2 units
Fisheries 212 Stocking Open Water	2 “
Fisheries 215 Aquaclture Planning	2 “

NOTE:

TOTAL NUMBER OF UNITS TO COMPLETE THE PROGRAM: 30 UNITS

COURSE TITLE ***COURSE DESCRIPTION AND PREREQUISITES***

- Fisheries 141.1 **PRINCIPLES OF AQUACULTURE.** Fundamentals of Aquaculture and its Role in Fishery Development. Credit: 3 units (3 hrs lect). A required refresher/background Courses. Prerequisite: None
- Fisheries 202 **ADVANCES IN FISH DISEASES.** Advances in Fish Diseases with Emphasis on the Mechanisms and Causes of Diseases and their Diagnosis, Prevention and Treatment. Credit: 3 units (2 hrs. lect; 3 hrs. lab). Prerequisite: Introductory Courses in Parasitology, Microbiology or Fish Diseases.
- Fisheries 203.1 **SEED PRODUCTION.** Techniques of Production and Collection of Cultivable Fish Seeds; Broodstock Development, Spawning, Hatching and Larval Rearing. Credit: 2 units (1 hr lect; 3 hrs lab). Prerequisite: Consent of Instructor
- Fisheries 204.1 **POND DESIGN AND CONSTRUCTION.** Site Selection, Designs Construction and Maintenance of Fishponds. Credit: 3 units (1 hr lect; 6 hrs lab) Prerequisite: Trigonometry or Consent of Instructor
- Fisheries 205.1 **POND CULTURE METHODS AND PRACTICES.** Conventional Practices and Innovations in Fish Culture. Credit: 3 units (1 hr lect; 6 hrs lab fieldwork) Prerequisite: Fish 141.1 or equivalent
- Fisheries 207.1 **FEEDS AND FEEDING PRACTICES.** Fish Feed Technology and Feeding Techniques. Credit: 2 units (1 hr lect; 3 hrs lab) Prerequisite: Fish 141.1 or equivalent
- Fisheries 209.1 **CULTIVABLE SPECIES.** Aquatic Organisms known in Culture, their Characteristics and Production Economics. Credit: 2 units (2 hrs lect) Prerequisite: Ichthyology or equivalent
- Fisheries 210 **PEN AND CAGE CULTURE.** Fish Culture Techniques in Pens and Cages in Lakes, Rivers, Reservoirs, Estuaries and Marine Coves and Bays. Credit: 3 units (1 hr lect; 6 hrs fieldwork) Prerequisite: Fish 141.1 or equivalent
- Fisheries 111 **RECIRCULATING SYSTEMS.** Kinds, Designs and Uses of Recirculating Water Systems in Aquaculture. Credit: 2 units (1 hr lect; 3 hrs lab) Prerequisite: Fish 14.1 or equivalent
- Fisheries 212 **STOCKING OF OPEN WATERS.** Techniques of Fish Seed Dispersal in Seas, Lakes, Rivers, Reservoirs and other Bodies of Water. Credit: 2 units (1 hr lect; 3 hrs fieldwork) Prerequisite: Fish 141.1 or equivalent
- Fisheries 213 **SHELLFISH CULTURE.** Methods and Practices in the Culture of Mollusks, Crustaceans and other Shellfishes of Commercial Importance. Credit: 2 units (1 hr lect; 3 hrs fieldwork) Prerequisite: Fish 141. or equivalent
- Fisheries 214 **SEAWEED CULTURE.** Methods of Seaweed Culture. Credit: 2 units (1 hr lect; 3 hrs fieldwork) Prerequisite: Fish 141.1 or equivalent
- Fisheries 215 **AQUACULTURE PLANNING.** Social, Economic and Political Factors Affecting Aquaculture Planning and Community Development. Credit: 2 units (1 hr lect; 3 hrs fieldwork) Prerequisite: Senior Standing or Consent of Instructor
- Fisheries 216 **AQUACULTURE EXTENSION.** Objectives, Methods and Evaluation of Technology Transfer in Aquaculture. Credit: 2 units (1 hr lect; 3 hrs fieldwork) Prerequisite: Senior Standing or Consent of Instructor