Department of Aquaculture

Curricula for the degree of MS in Aquaculture

July-December Semester		
Compulsory courses	**Credits**	**Marks**
AQ 501 Fresh Water Aquaculture	2	100
AQ 502 Mariculture	2	100
AQ 503 Aquacultural Engineering and Farm Biosafety	2	100
AQ 504 Aquatic Feed Technology	2	100
AQ 520 Research work	3	(S/U)
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
AQ 509 Aquatic Animal Health Management	2	100
AQ 510 Culture of Fish Food Organisms	2	100
AQ 511 Aquaculture Impacts	2	100
FHM 501 Advanced Fish Parasitology	2	100
Aquaculture Extension	2	100
STAT 533 Bio-Statistics	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**

January-June Semester		
Compulsory courses	**Credits**	**Marks**
AQ 505 Advanced Coastal Aquaculture	2	100
AQ 506 Advanced Integrated Aquaculture	2	100
AQ 507 Aquaculture Nutrition	2	100
AQ 508 Aquarium Fish Culture	2	100
AQ 520 Research work	3	S/U
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
AQ 512 Aquaculture System	2	100
AQ 513 Mangrove Aquaculture	2	100
AQ 514 GIS in Aquaculture	2	100
ARM 504 Water Quality and Environmental Impact	2	100
FTRU 510 Project Design and Management	2	100
FBG 516 Aquatic Seed Production	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
Thesis Semester (10 credits)		
AQ 520 Research work	2	S/U
AQ 521 Thesis Evaluation	5	100
AQ 522 Thesis Defense	3	100
Thesis Semester Total	**10**	**200**
Grand Total	**40**	**1400**

(S = Satisfactory U = Unsatisfactory)

Department of Aquatic Resources Management

Curricula for the degree of MS in Aquatic Resources Management

July - December Semester		
Compulsory courses	**Credits**	**Marks**
ARM 501 Advanced Aquatic Ecology	2	100
ARM 502 Limnology	2	100
ARM 503 Water Quality and environmental Impact	2	100
ARM 504 Advanced Inland Fisheries Management	2	100
ARM 520 Research work	**3**	**(S/U)**
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
ARM 509 Ecology of Fishes	2	100
ARM 510 Riverine Fisheries Management	2	100
ARM 511 Community Based Fisheries Management	2	100
ARM 512 Haor Fisheries Management	2	100
CMF 512 Environmental Impact Assessment (EIA) and Management	2	100
FBG 515 Biology of Non-Piscine Aquatic Vertebrates	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
January-June Semester		
Compulsory courses	**Credits**	**Marks**
ARM 505 Advanced Fish Population Dynamics	2	100
ARM 506 Aquatic Toxicology	2	100
ARM 507 Aquatic Soil Science	2	100
ARM 508 Inland Fisheries Resources	2	100
ARM 520 Research work	3	S/U
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
ARM 513 Biology and Management of Aquatic Plants	2	100
ARM 514 Wetland Ecosystems and Fisheries Biodiversity	2	100
ARM 515 Laboratory Techniques for Water Quality and Pollution Analysis	2	100
AQ 511 Aquaculture Impact	2	100
FTRU 513 Project Design and Management	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
Thesis Semester (10 credits)		
ARM 520 Research Work	2	S/U
ARM 521 Thesis Evaluation	5	100
ARM 522 Thesis Defense	3	100
Thesis Semester Total	**10**	**200**
Grand Total	**40**	**1400**

(S = Satisfactory U = Unsatisfactory)

Department of Coastal and Marine Fisheries

Curricula for the degree of MS in Coastal and Marine Fisheries

July - December Semester		
Compulsory courses	**Credits**	**Marks**
CMF 501 Coastal and Marine Ecology	2	100
CMF 502 Climate Change and Fisheries	2	100
CMF 503 Marine Botany	2	100
CMF 504 Coastal and Marine Fisheries Resource Assessment and Management	2	100
CMF 520 Research work	3	(S/U)
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
CMF 509 Oceanography and Marine Geosciences	2	100
CMF 510 Ocean Instrumentation and Technology	2	100
CMF 511 Community Based Fisheries Management (CBFM)	2	100
CMF 512 Environmental Impact Assessment (EIA) and Managemen	2	100
CMF 513 Geographical Information System (GIS) and Remote Sensing (RS) for Resource Management	2	100
CMF 514 Oil and Pesticide Pollution	2	100
STAT 533 Biostatistics Experimental Design and Multivariate Analysis	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
January-June Semester		
Compulsory courses	**Credits**	**Marks**
CMF 505 Physical and Chemical Oceanography	2	100
CMF 506 Integrated Coastal Zone Management (ICZM)	2	100
CMF 507 Mangrove Ecosystem Management	2	100
CMF 508 Coastal and Marine Pollution Management	2	100
CMF 520 Research work	3	S/U
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
CMF 515 Biodiversity Conservation Marine Resource Management 2	100	
CMF 516 Biological Oceanography	2	100
CMF 517 Hydrography and Meteorology	2	100
CMF 518 Coastal and Marine Fisheries Biology	2	100
CMF 519 Marine Fisheries Economics and Management	2	100
FTRU 513 Project Design and Management	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
Thesis Semester (10 credits)		
CMF 520 Research Work	2	S/U
CMF 521 Thesis Evaluation	5	100
CMF 522 Thesis Defense	3	100
Thesis Semester Total	**10**	**200**
Grand Total	**40**	**1400**

(S = Satisfactory U = Unsatisfactory)

Department of Fish Health Management

Curricula for the degree of MS in Fish Health Management

July - December Semester		
Compulsory courses	**Credits**	**Marks**
FHM 501 Advanced Fish Parasitology	2	100
FHM 502 Applied Fish Pharmacology	2	100
FHM 503 Shellfish Diseases	2	100
FHM 504 Nutritional Diseases of Fishes	2	100
FHM 520 Research work	3	(S/U)
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
FHM 509 Aquatic Pathobiology	2	100
FHM 510 Ecotoxicology	2	100
FHM 511 Prevention and Therapy of Fish Diseases	2	100
FHM 512 Diseases of Wild Aquatic Animal	2	100
AQ 501 Freshwater Aquaculture	2	100
AEX T Aquaculture Extension	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
January-June Semester		
Compulsory courses	**Credits**	**Marks**
FHM 505 Advanced Fish Pathology	2	100
FHM 506 Advanced Fish Immunology	2	100
FHM 507 Water Quality and Fish Health	2	100
FHM 508 Epidemiology and Health Control	2	100
FHM 520 Research work	3	S/U
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
FHM 513 Aquatic Health Management and Quarantine	2	100
FHM 514 Systemic Pathology and Histopathology	2	100
FHM 515 Common Fish Diseases	2	100
FBG 505 Fish Breeding and Stock Improvement	2	100
AST 529 Advance in Bio-Statistics	2	100
ARM 502 Advanced Inland Fisheries Management	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
Thesis Semester (10 credits)		
FHM 520 Research Work	2	S/U
FHM 521 Evaluation of Thesis	5	100
FHM 522 Thesis Defense	3	100
Thesis Semester Total	**10**	**200**
Grand Total	**40**	**1400**

(S = Satisfactory U = Unsatisfactory)

Department of Fish Biology and Genetics

Curricula for the degree of MS in Fish Biology and Genetics

July - December Semester		
Compulsory courses	**Credits**	**Marks**
FBG 501 Biology of Fishes	2	100
FBG 502 Advanced Fish Physiology	2	100
FBG 503 Fish Population and Conservation Genetics	2	100
FBG 504 Molecular Genetics	2	100
FBG 520 Research work	3	(S/U)
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
FBG 509 Fish Biodiversity and Systematics	2	100
FBG 510 Evolutionary Biology	2	100
FBG 511 Experimental Design and Genetic Data Analysis	2	100
FHM 513 Aquatic Health Management and Quarantine	2	100
AQ 504 Aquatic Feed Technology	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**

January-June Semester		
Compulsory courses	**Credits**	**Marks**
FBG 505 Fish Breeding and Stock Improvement	2	100
FBG 506 Endocrinology of Aquatic Animals	2	100
FBG 507 Fish Genetic Engineering and Biotechnology	2	100
FBG 508 Shellfish Biology	2	100
FBG 520 Research work	3	S/U
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
FBG 512 Fish Behaviour	2	100
FBG 513 Embryology of Fishes	2	100
FBG 514 Advanced Ichthyology	2	100
FBG 515 Biology of Non-Piscine Aquatic Vertebrates	2	100
ARM 503 Water Quality and Environmental Impact	2	100
FTRU 513 Project Design and Management	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
Thesis Semester (10 credits)		
FBG 520 Research Work	2	S/U
FBG 521 Thesis Evaluation	5	100
FBG 522 Thesis Defense	3	100
Thesis Semester Total	**10**	**200**
Grand Total	**40**	**1400**

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Department of Fisheries Technology and Quality Control

Curricula for the degree of MS in Fisheries Technology and Quality Control

July - December Semester		
Compulsory courses	**Credits**	**Marks**
FTQC 501 Fish Preservation Technology	2	100
FTQC 502 Fish Processing Technology	2	100
FTQC 503 Advanced Fisheries Microbiology	2	100
FTQC 504 Advanced Fishing Technology	2	100
FTQC 520 Research work	3	(S/U)
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
FTQC 509 Analytical Techniques for Fish Processing	2	100
FTQC 510 Industrial Fishery Management	2	100
STAT 533 Biostatistics	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
January-June Semester		
Compulsory courses	**Credits**	**Marks**
FTQC 505 Fishery Products Technology	2	100
FTQC 506 Quality Control of Fish and Fishery Products	2	100
FTQC 507 Fish Processing Biochemistry	2	100
FTQC 508 Biotechnology of Fish Processing	2	100
FTQC 520 Research work	3	S/U
Sub-Total	**11**	**400**
Elective courses (At least 2 courses must be taken)	**Credits**	**Marks**
FTQC 511 Fish Microbiological Techniques	2	100
FTQC 512 Fishery By Products Technology	2	100
FTQC 513 Project Design and Management	2	100
AE 508 Fisheries Economics and Marketing	2	100
CMF 515 Ocean Instrumentation and Technology	2	100
Sub-Total	**4**	**200**
Semester Total	**15**	**600**
Thesis Semester (10 credits)		
FTQC 520 Research Work	2	S/U
FTQC 521 Thesis Evaluation	5	100
FTQC 522 Thesis Defense	3	100
Thesis Semester Total	**10**	**200**
Grand Total	**40**	**1400**

(S = Satisfactory U = Unsatisfactory)