

# Department of Fisheries Resource Management (FRM)

This is a well-established department.

Courses offered by the department:

UG Programme: B.F.Sc. (4 years- 8 semester programme).

The subjects under the course are:

1. FB111 Taxonomy of shell fishes (1+2).
2. FB112 Anatomy and physiology of fin fishes (2+1)
3. FB121 Taxonomy of fin fishes (1+2)
4. FB122 Anatomy and physiology of shellfishes (2+1)
5. FB211 Biology of fin fishes and shell fishes (2+2)
6. FB221 Marine capture fisheries (2+1)
7. FB311 Inland capture fisheries (1+1)
8. FB321 Fish population dynamics and stock assessment (1+2)
9. Rural Agricultural Work Experience (RAWE) – is a hands on training in the field.

PG Programme: M.F.Sc. in FRM (2 years – 4 semester program)

Admission through entrance test. Basic degree required is BFSc from any recognized SAU.

Basic requirement for the PG program is that a student has to complete 55 credits and a dissertation through research. Each student is guided by an advisory committee consisting of a major advisor, head of department and expert from the field and expert from related field. The dissertation has to be valued by the external examiner. The final declaration of M.F.Sc. degree is after a comprehensive examination and viva. The research topics are selected with a view to afford application in the field.

The program consists of subjects:

1. FB 501 Inland fishery resources (2+1)
2. FB 502 Marine fisheries resource management (2+1)
3. FB 503 Marine ecosystem, biodiversity and conservation (2+1)
4. FB 504 Tropical fish stock assessment (2+1)
5. FB 505 Fisheries regulations (2+1)
6. FB 506 Remote sensing and GIS for Fisheries Management (1+1)
7. FB 507 Integrated coastal zone management (2+1)
8. FB 508 Aquatic floral resources (2+1)
9. FB 509 Feeding and reproductive biology of finfish and shellfish (2+1)
10. FB 510 Bionomics of finfishes (2+1)
11. FB 511 Bionomics of shellfishes (2+1)
12. FB 512 Developmental biology of finfish and shellfish (2+1)
13. FB 513 Fishing and allied technologies (2+1)
14. FB 514 Modern techniques in ichthyotaxonomy (2+1)
15. FB 515 Reproductive physiology and endocrinology of fishes (2+1)
16. FB 516 Technical writing and communication skills (0+1)
17. FB 591 Master Seminar (1+0)
18. FB 599 Masters Research (20) – A research thesis has to be submitted.

PhD program in FRM & HT (3 years – 6 semesters)

## Through Admission Test

It is a prestigious program under the department. The requirement is that, a student has to complete 75 credits and a dissertation through research. The advisory committee of FRM (PhD) consists of a major advisor (Guide), head of department and expert from the field and 2 experts from related field. The dissertation has to be evaluated by advisory committee. The thesis is submitted only after a pre-submission seminar. There are three valuations and guide (Major Advisor) will be Chairman.

The program consists of subjects:

1. FB 601 Conservation of aquatic biodiversity (2+1)
2. FB 602 Applications of fisheries models in stock assessment(2+1)
3. FB 603 Conservation and management of exploited fisheries resources(2+1)
4. FB 604 Ecology of coral reef and mangroves (2+1)
5. FB 605 Exploitation of exploited fisheries resources (0+2)
6. FB 606 Fisheries environment (2+1)
7. FB 607 Management of capture fisheries (2+1)
8. FB 691 Doctoral seminar-I (1+0)
9. FB 692 Doctoral seminar-II (1+0)
10. FB 699 Doctoral research (0+45)

The research work will be carried out under the supervision of 5 experts. One among them will be guide and the remaining are minor advisors. The PhD generally offers in a interdisciplinary manner. The area of research includes taxonomy, biodiversity, biology, embryonic and post embryonic development, fisheries management and conservation etc.

