



TURA GOVERNMENT COLLEGE, TURA
DEPARTMENT OF ZOOLOGY
Report on Short term Certificate course in Fishery, February-March, 2019

Name of the program: Short term Certificate course in Fishery

Duration: 30 hours

Resource persons: Officers from Fishery Department, Tura, West Garo Hills, Meghalaya.

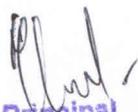
1. Shri. Roger Marak, Superintendent of Fisheries, West Garo Hills, Tura
2. Shri. L. Pangsang M. Sangma, Programme Manager, West Garo Hills, Tura
3. Smt. Risha Ch. Sangma, Fishery Officer, West Garo Hills, Tura
4. Shri Moalang K. Marak, Fishery Officer, West Garo Hills, Tura
5. Shri Bargelius G. Momin, Fishery Demonstrator, West Garo Hills, Tura

Curriculum:

Sl no.	Curriculum
1.	Fresh water aquaculture
2.	Breeding of Indian major carps
3.	Common fish disease.
4.	Culture of cold water fishes.
5.	Eco-Hatchery operation.
6.	Fertilizing and manuring.
7.	Fish pituitary and gonadal extraction.
8.	Gold fish breeding.
9.	Intensive, semi-intensive and extensive fish culture.
10.	Mahseer culture
11.	Major species of fresh water aquaculture.
12.	Species selection for culture.
13.	Supplementary feeding for fishes.
14.	Water quality management in aquaculture.

Assessment procedure: Examination was conducted for a total of 100 marks, with 75 marks allotted for theory and 25 marks for practical. Based on the marks obtained grades were given as under:

MARKS	GRADE
80+	A
60+	B
45+	C
30+	D
Below 30	E

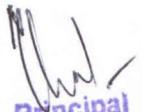

Principal
Tura Govt. College, Tura.


HOD
Dept. of Zoology
Tura Govt. College, Tura.



LIST OF STUDENTS

1. Balsramea Ch. Momin *Balsramea Ch. Momin*
2. Bestera A. Sangma *Bestera A. Sangma*
3. Bondona Rabha *Bondona Rabha*
4. Chima Ch. Marak *Chima Ch. Marak*
5. Dabitha K. Marak *Dabitha K. Marak*
6. Dancy Ch. Momin *Dancy Ch. Momin*
7. Emerald D. Sangma *Emerald D. Sangma*
8. Grikchi Areng *Grikchi Areng*
9. Jessina K. Sangma *Jessina K. Sangma*
10. Jimbelisha M. Sangma *Jimbelisha M. Sangma*
11. Jringjrang K. Marak *Jringjrang K. Marak*
12. Neha Ch. Sangma *Neha Ch. Sangma*
13. Poranchi R. Marak *Poranchi R. Marak*
14. Ringchira Areng *Ringchira Areng*
15. Sachinforth Ch. Marak *Sachinforth Ch. Marak*
16. Salaki Dodiki Sangma *Salaki Dodiki Sangma*
17. Salkime D. Sangma *Salkime D. Sangma*
18. Senia Sengkame Ch. Momin *Senia Sengkame Ch. Momin*
19. Shereen Ch. Marak *Shereen Ch. Marak*
20. Stipson R. Marak *Stipson R. Marak*
21. Taje K. Marak *Taje K. Marak*
22. Tusarak N. Sangma *Tusarak N. Sangma*
23. Tengmatchi D. Sangma *Tengmatchi D. Sangma*
24. Chire Ringge Marak *Chire Ringge Marak*


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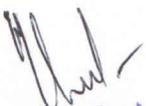
Summary of program for February-March 2019

The short term course was held from 12th February to 15th March 2019. The course was conducted for B.Sc. 6th Semester Zoology Honours students. A total of 24 students attended the course. After completion of the course, students were assessed based on the theory and practical examinations and a certificate was awarded.

Course Outcome

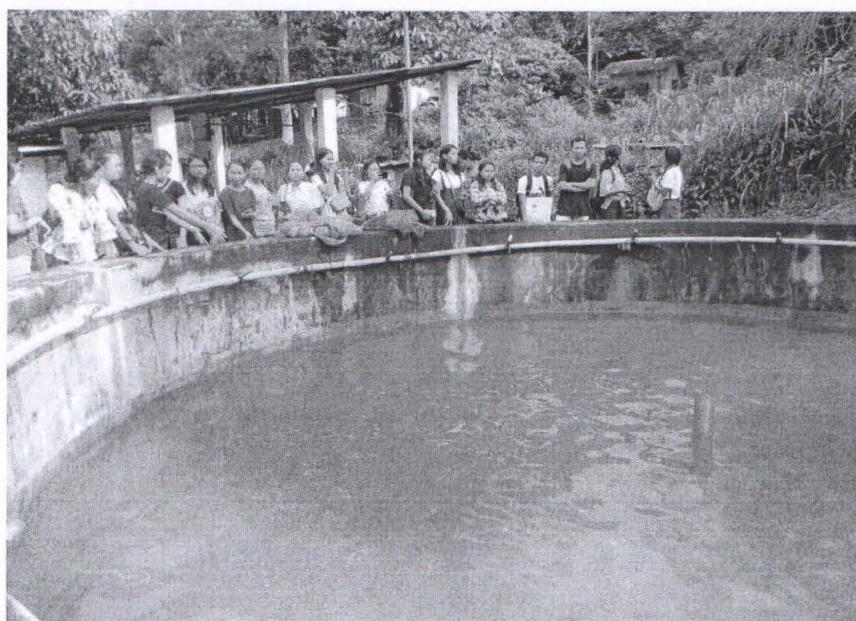
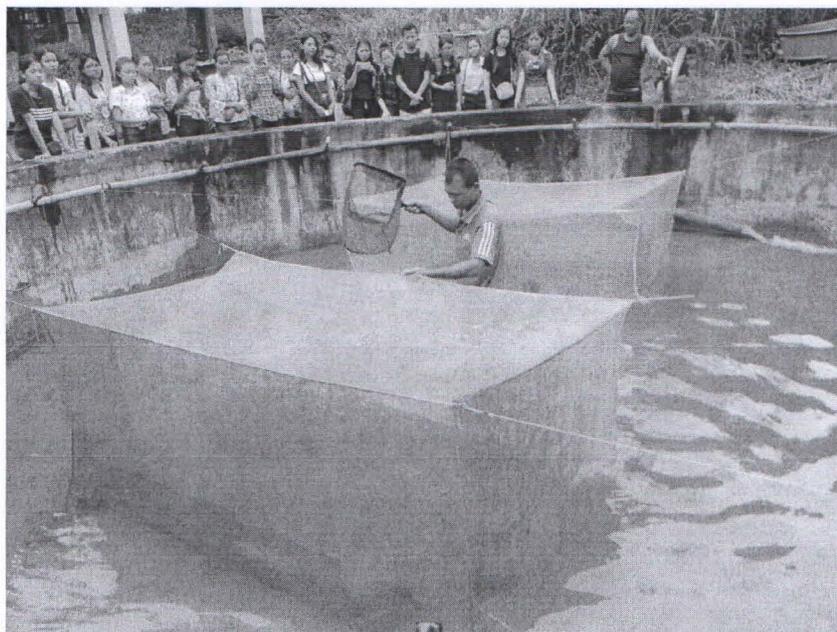
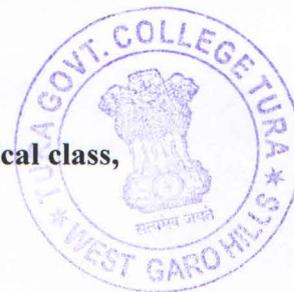
After completion of the course, students have acquired the knowledge of identifying, breeding, feeding and culture of Indian major carps, Gold fish, Mahseer and other cold water fishes. They have also learned different techniques associated with fish culture such as intensive, semi intensive and extensive fish culture, eco-hatchery operation, fertilizing and manuring, fish pituitary and gonadal extraction for induced breeding.

With this basic knowledge, students will be able to work in a fish farm or start and manage a small scale fish farm which will benefit them economically.


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Field visit to Fish Breeding Centre, Duragre, as part of Fishery Practical class,
February-March, 2019




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Duration: 30 hours

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Assessment procedure: Examination was conducted for a total of 100 marks, with 80 marks allotted for theory and 20 marks for practical. Based on the marks obtained grades were given as under:

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LIST OF STUDENTS

1. Allowrine S. Sangma ~~Allowrine S. Sangma~~ Allowrine S. Sangma
2. Nambechega Ch. Marak Nambechega Ch. Marak
3. Omegha N. Marak Omegha N. Marak
4. Chekame T. Sangma Chekame T. Sangma
5. Apurva Ch. Marak Apurva Ch. Marak
6. Biangka Nome D. Sangma Biangka Nome D. Sangma
7. Onchime N. Sangma Onchime N. Sangma
8. Nivedita S. Sangma Nivedita S. Sangma
9. Sharon Bethesda W. Momin Sharon Bethesda W. Momin
10. Karbanclay M. Sangma Karbanclay M. Sangma
11. Sanitha R. Sangma Sanitha R. Sangma
12. Alchira N. Sangma Alchira N. Sangma
13. Lamboikym Khongsai Lamboikym Khongsai
14. Chukame S. Marak Chukame S. Marak
15. Tracy Ch. Sangma Tracy Ch. Sangma
16. Banre B. Marak Banre B. Marak
17. Elbira M. Marak Elbira M. Marak
18. Lesthrina Ch. Momin Lesthrina Ch. Momin
19. Tengsime Ch. Sangma Tengsime Ch. Sangma
20. Maysalchisa Ch. Marak Maysalchisa Ch. Marak
21. Tangnang A. Sangma Tangnang A. Sangma
22. Jagame Ch. Momin Jagame Ch. Momin
23. Arnitha P. Marak Arnitha P. Marak
24. Emilla R. Marak Emilla R. Marak
25. Pooja Sharma Pooja Sharma


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Summary of program for July 2019

The short term course was held from 1st to 30th July 2019. The course was conducted for B.Sc. 6th Semester Zoology Honours students. A total of 25 students attended the course. After completion of the course, students were assessed based on the theory and practical examinations and a certificate was awarded.

Course Outcome

After completion of the course, students have acquired the knowledge of identifying, breeding, feeding and culture of Indian major carps, Gold fish, Mahseer and other cold water fishes. They have also learned different techniques associated with fish culture such as intensive, semi intensive and extensive fish culture, eco-hatchery operation, fertilizing and manuring, fish pituitary and gonadal extraction for induced breeding.

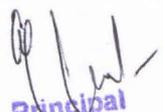
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**Field Visit to Songkal Wari Fish Sanctuary, as part of Fishery Practical Class,
July 2019**




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