

Meeting of the SCM, Dept. of Forestry & Biodiversity, held on 25/9/2020 in the chamber of HOD at 11:00 AM.

classmate

Date

Page

Members present:

- ① Dr. Sabyasachi Dasgupta, HOD.
- ② Dr. Binjal Deb Nath, Asstt Prof.
- ③ Dr. Sourabhi Deb, Asstt Prof.
- ④ Dr. Chin Selvan, Asstt Prof.

~~25/9/20~~

25/9/20

25/9/2020

Chin Selvan
25/9/2020

A meeting was held to discuss the matters related to revision of syllabus, formation of committee etc and the members for BFGS reconstitution.

1. It was decided that the number of credits for the B.G. degree programme should be more than or equal to 84 credit hours.

② It was agreed that the experts for the revision of syllabus would be Prof. Kalidas Upadhyay, Dept. of Forestry, Mizoram University; Prof. Bhupendra Suth, Dept. of Forest Products, U.S. Pannal Univ of Hort. & Forestry, H.P. and Prof. A.K. Saha from the Dept. of Botany, TU in addition to faculty members of this Dept.

③ It was also agreed that there shall be one skill course related to Forest Utilization and Plantation Technology.

④ The matter regarding the reconstitution of the BFGS committee was discussed and it was agreed as under: for placing before B.F.S.

I Members from related/allied departments which share Common Courses:

(i) Prof. B.K. Datta,
Dept. of Botany
(ii) Prof. D. Maiti
Dept. of Human Physiology

II

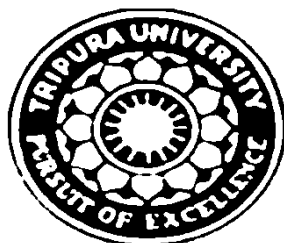
- External Experts: (i) Prof. A.K. Negi;
Dept. of Forestry, HNB Univ., Garhwal.
- (ii) Prof. Anil Kumar Mandal
Dept. of Botany & Forestry,
Vidyasagar Univ.
- (iii) Prof. Sushil Gupta,
Dept. of Agroforestry,
SEKAST, Jammu.

The meeting ended with vote of thanks.

~~Sharma~~
28/01/2020
(CONVENER, DCMS)
HOD, Dept. of Forestry
& Biodiversity.

**M.Sc. FORESTRY AND BIODIVERSITY COURSE
CURRICULUM**

2020



**DEPARTMENT OF FORESTRY AND BIODIVERSITY
TRIPURA UNIVERSITY (A Central University)
SURYAMANINAGAR, AGARTALA – 799 022
TRIPURA, INDIA**

Programme Objective:

Post Graduate programme in Forestry and Biodiversity have been developed after identifying the needs of present Forestry and Biodiversity scenario and demand of professionals, having the understanding of special fields and subjects in forestry and biodiversity sector, including govt., corporate and private sectors. The package under core courses has been prepared keeping in view the production, management, conservation of forests, its rich biodiversity and plantations. The present syllabus is prepared to make it a professional programme with ample scope for specialization in the upcoming subject areas relevant for the sector, industries and other stake holders, thus broadening the scope and potential for employment for the Post Graduate students of Forestry and Biodiversity. The students will be given a set of twenty (20) courses (including practical Courses) which will be compulsory for undertaking the PG programme at Master level. The courses are called Core courses of Forestry and Biodiversity with specialized course called as elective course. These courses have been developed after identifying the needs of present Forestry and Biodiversity scenario and demand of professionals, having the understanding of special fields and subjects in forestry and biodiversity sector, including govt., corporate and private sectors. The package under core courses has been prepared keeping in view the production, management, conservation of forests, its rich biodiversity and plantations

Duration of Course and System of Education

The total duration of this programme shall be two years which will be covered in four semesters. The core courses and the foundation courses will be common for all students and the elective course (one in semester III) will have to be selected amongst the set of 4 courses by each student. The students will have to propose a research problem before the fourth semester in the form of synopsis which has to be approved by the students advisory committee. During the fourth semester the student has to complete the research work and by the end of the fourth Semester they have to prepare a Master's Thesis which will be mandatory for the partial fulfillment of the degree programme. The Master's thesis has to be prepared in consultation with the Major Advisor (mentor) and the students Advisory Committee and finally approved in the colloquium seminar which will be delivered by the student before the Advisory Committee in the presence of faculty members and students of the Department.

A mentor shall be allotted at the start of the 1st Semester to each M Sc Student by the DRC.

Examination and Evaluation System

It is proposed that this degree Programme will adopt the CBCS (semester) pattern as followed for other degree programmes in Tripura University.

There shall be minimum two internal evaluation of 30% marks (Internal) in the form of presentation, Viva Voce, Assignment or examination and final External theory examination of 70% marks (External). The syllabus of the concerned course shall be sent to the external examiners who shall set the question papers and also evaluate the answer books. The practical examination will be conducted internally by the course instructors and one external examiner nominated by the HOD or as desired by the COE/Hon'ble VC from time to time.

Programme structure:

The Programme consists of Core Courses, Foundation Courses, and other specialized requirements totaling to 96 credits. One credit is equivalent to one hour of teaching (lecture or term paper) or two hours of practical work/field work per week. Each semester consists of 18 weeks (approx.) of academic work equivalent to 90 actual teaching days. 3 credit hours of term Paper is allotted in 3 courses with the objective to develop the skill of research writing. In this course students have to review literature in their field of interest related to the topics of this course. They have to prepare a project report on a particular topic under the supervision of faculty and submit it.

The programme structure and respective credits are given below as:

Course Structure	Credit
Core courses	55
Elective (other Departments)	08
Elective (from Department)	04
Skill Course	03
Industrial Exposure	02
Master's thesis	16
Master thesis seminar	02
Total	90





TRIPURA UNIVERSITY
Department of Forestry and Biodiversity

SEMESTER I- 21Credits (Core Course (C): 17 Credits; Elective Course (F): 4 Credits)

Course Code	Name of the Course	Credit Distribution			Total Credit	Marks (Scaled)
		L	T	P		
FB 701C	Principles of Silviculture	3	0	1	04	100
FB 702C	Forest Biometry	2	0	1	03	100
FB 703C	Biodiversity and Conservation	3	0	1	04	100
FB 704C	Forest Ecology	2	0	1	03	100
FB 705C	Forest Protection	2	0	1	03	100
CSK-II-E	Computer Skills	4	0	-	04	100
Sub-Total		16	0	5	21	600

SEMESTER II- 26 Credits (Core Course (C): 22 Credits; Elective Course (F): 4 Credits)

Course Code	Name of the Course	Credit Distribution			Total Credit	Marks
		L	T	P		
FB 801C	Forest Policy, Laws and International Conventions in Biodiversity Management	2	1	-	03	100
FB 802C	Forest Utilization & Forest based Industries	2	-	1	03	100
FB 803C	Biosystematics	3	-	1	04	100
FB 804C	Forest Genetics and Tree Improvement	2	-	1	03	100
FB 805C	Climate change and Forestry	2	1	-	03	100
FB 806C	Forest Biotechnology	2	-	1	03	100
FB 807C	Nursery Technology and Plantation Techniques (Skill Course)	1	-	2	03	100
STAT-E	Bio Statistics	4	-	-	04	100
Sub-Total		18	2	6	26	800

SEMESTER III- 25 Credits (Core Course (C): 21 Credits; Elective Course (E): 4 Credits)

Course Code	Name of the Course	Credit Distribution			Total Credit	Marks
		L	T	P		
FB 901C	Forest Resource Management and Valuation	2	1	-	03	100
FB 902C	Medicinal and Aromatic plants	2	-	-	02	100
FB 903C	Wildlife Management and Eco-development	3	-	1	04	100
FB 904C	Forest Soil & Watershed Management	2	-	1	03	100
FB 905C	Wood Science and Technology	2	-	1	03	100
FB 906C/906E	Application of Remote Sensing and Geographic Information System in Forestry	2	-	2	04	100
FB 907C	Industrial Attachment (In between 2 nd Sem-3 rd Sem)	-	-	2	02	100
One Elective Course		3	-	1	04	100
Sub-Total		16	1	8	25	800

SEMESTER IV- 18 Credits (Core Course (C): 18Credits)

Course Code	Name of the Course	Credit Distribution			Total Credit	Marks
		L	T	P		
FB 1001C	Master's Thesis	-	-	2	2	100
FB 1002C	Master Thesis Seminar	-	-	16	16	100
Sub-Total		-	-	18	18	200

LIST OF ELECTIVE COURSE

Course Code	Elective Course	Credit	
		Theory	Practical
FB 901E	Agroforestry	03	01
FB 902E	Reproductive Biology and Breeding Methods in Forest Trees	03	01
FB 903E	Environmental Impact Assessment	03	01
FB 904E	Forest Biology & Tree Physiology	03	01