



Implementation of CBCS / ECS

Minutes of Meetings (MoM) of Board of Studies (BoS)

Academic Year : 2016-17

School : Natural Resources

Department : Forestry, Wildlife and Environmental Sciences

Date and Time : June 18, 2015 - 11:30 AM

Venue : Forestry Class Room

The scheduled meeting of member of Board of Studies (BoS) of Department of Forestry, Wildlife and Environmental Sciences, School of Studies of Natural Resources, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the M. Sc. (Forestry) 2 Year Degree Program scheme and syllabi.

The following members were present in the meeting:

1. Prof. N. P. Todaria (External Expert Member BoS, Dept. of Forestry, H. N. B. Garhwal, Central University, UK)
2. Prof. S. S. Singh (Member BoS, Dept. of Forestry, Wildlife and Environmental Sciences)
3. Dr S. S. Dhuria (Member BoS, Associate Professor, Dept. of Forestry, Wildlife and Environmental Sciences)
4. Dr. Garima Tiwari (Member BoS, Assistant Professor, Dept. of Forestry, Wildlife and Environmental Sciences)

Following points were discussed during the meeting

- Prof. N.P. Todaria External Examinees sent revised syllabus as per guidelines of CBCS on 18/06/2015 s a expert
- B.Sc. Forestry 4 years 8 semester and M.Sc. Forestry and Environmental sciences 2 Years four semester syllabus has been discussed restructured and finalized as per the need of choice based credit system.
- The entire syllabus of both programmes were revised and made as per the choice based credit system.
- B.Sc. Forestry programme will have a total of 184 credit point and M.Sc. Forestry Programme will have 98 credit points in total.
- B.Sc. Forestry Syllabus will have 40 papers up to VII Semester and VIII Semester will have following training program :
- Forest Institutes and Industrial Visits.
- Forestry Operations (Working Experience)
- Socio-Economic Survey - Village Attachment



- The students will prepare the report based on the above trainings and evaluation will be done by one external examiner and two internal examiners.
- There will be one student project in B.Sc. Forestry program which will be allotted in III Semester and will be evaluated by a panel of two teachers of the department at the end of IV Semester.
- M.Sc. Forestry and Environmental Sciences syllabus will have 18 papers up to III Semester and IV Semester have following:
 - Field Training (Attachment with State Forest Department)
 - Industrial Training
 - Computational Skills
 - Student Project
- The students will prepare the report based on the above trainings and evaluation will be done by one external examiner and two internal examiners.
- Student project will be evaluated by a panel of two teachers of the department.
- There will be two specializations i.e.,
 - Forest Genetic Resources (FGR)
 - Forest Management (FM)
- Above subjects will be offered to the student as per their choice in the III Semester of the M.Sc. program.
- Minimum passing marks for each theory papers, practical, student project and trainings will be 40% .
- Computation of SGPA and CGPA will be done as per the UGC guidelines.
- Credit details, marks distribution and course content have been mentioned in the syllabus of B.Sc. Forestry and M.Sc. Forestry and Environmental Sciences program.
- The study tour to forest operation sites, forest nursery, wildlife habitat and plantation sites will be conducted as per the requirement in each semester.

विभागाध्यक्ष
Head

Department of Forestry, Wildlife and Environmental Science
गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Signature & Seal of HoD



Scheme and Syllabus- PG

**COURSE SYLLABUS
FOR**

M.Sc. FORESTRY & ENVIRONMENTAL SCIENCES

(w. e. f. 2015-16)



"SCHOOL OF NATURAL RESOURCES"

**DEPARTMENT OF FORESTRY, WILDLIFE
& ENVIRONMENTAL SCIENCES**

GURU GHASIDAS VISHWAVIDYALAYA

BILASPUR-495009, CHHATTISGARH

(A Central University established by the Central University Act.2009 No. 25 of 2009)

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DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, CG

SEMESTER-WISE CHOICE BASED CREDIT SYSTEM OF M.Sc. FORESTRY & ENVIRONMENTAL SCIENCES

M.Sc. I st Semester						
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credit	
01.	Silviculture	3	--	1	4	
02.	Forest Biometry, Surveying & Engineering	3	--	1	4	
03.	Forest Management, Remote Sensing & GIS	2	1	1	4	
04.	Forest Ecology and Biodiversity Conservation	3	--	1	4	
05.	Forest Protection	3	--	1	4	
06.	Forest Statistics & Research Methodology	3	1	1	5	
		Total Credits			25	

M.Sc. II nd Semester						
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credit	
01.	Forest Policy, Laws and Environmental Legislation	2	1	1	4	
02.	Forest Tree Improvement and Biotechnology	3	--	1	4	
03.	Wood Technology and Nanoforestry	3	--	1	4	
04.	Wildlife Biology and Conservation	3	--	1	4	
05.	Forest Soil and Watershed Management	3	--	1	4	
06.	Forest Products and Industries	3	--	1	4	
07.	Environment and Global Climatic Changes	3	--	1	4	
		Total Credits			28	

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SPECIALIZATION
FOREST GENETIC RESOURCES (FGR)

M.Sc. III rd Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Breeding Methods in Forest Trees	3	---	1	4
02.	Forest Trees Reproductive Biology and Seed Orchards	3	---	1	4
03.	Molecular Genetics of Forest Trees	3	---	1	4
04.	Quantitative Genetics of Forest Trees	3	---	1	4
05.	Forest Genetic Diversity, Conservation & Environmental Impact	3	---	1	4
Total Credits					20

M.Sc. IV th Semester		
S.No.	Title of Paper	Credits
01.	Field Training (Attachment with State Forest Department for analysis of FGR & its distribution) Project report writing, Presentation & Viva-voce	10
02.	Industrial Training Project report writing, Presentation & Viva-voce	09
03.	Computational Skills	05
04.	Student Project	01
Total Credits		25

Grand Total of Credits = 98

- The student project will be allotted in III semester and will be evaluated at the end of IV semester. Students may choose any project related to their curriculum. There will be no supervisor for the project.
- **Visits:** Visits to forest operation sites, forest nursery, wildlife habitat and plantation sites will be conducted as per the requirement of curriculum.

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SPECIALIZATION
FOREST MANAGEMENT (FM)

M.Sc. III rd Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Forest Resource Analysis	3	---	1	4
02.	Production Management in Nursery and Plantation Forestry	3	---	1	4
03.	Finance and Marketing Management of Forest Resources	3	---	1	4
04.	Tree Business Management	3	---	1	4
05.	Forest Management for Environmental Conservation	3	---	1	4
				Total Credits	20

M.Sc. IV th Semester			
S.No.	Title of Paper	Credits	
01.	Field Training (Attachment with State Forest Department for analysis of Forest Management patterns & Management techniques)	10	
02.	Industrial Training Project report writing, Presentation & Viva-voce	09	
03.	Computational Skills	05	
04.	Student Project	01	
		Total Credits	25

Grand Total of Credits = 98

- The student project will be allotted in III semester and will be evaluated at the end of IV semester. Students may choose any project related to their curriculum. There will be no supervisor for the project.
- **Visits:** Visits to forest operation sites, forest nursery, wildlife habitat and plantation sites will be conducted as per the requirement of curriculum.

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