



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 B. Sc. (Forestry) 4 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

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Signature & Seal of HoD



Scheme and Syllabus- UG

COURSE SYLLABUS FOR

B.Sc. FORESTRY

(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 B.Sc. FORESTRY COURSE

B.Sc. I st Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Introduction and Practices of Silviculture	3	--	1	4
02.	Fundamentals of Geology and Soil Science	3	--	1	4
03.	Cytogenetics and Plant Breeding	3	--	1	4
04.	Introductory Botany	3	--	1	4
05.	Basic Mathematics	3	1	--	4
06.	Physical Activities (NC)	--	--	--	1
Total Credits					21

B.Sc. II nd Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Introductory Forest Economics	3	--	1	4
02.	Forest Ecology, Biodiversity & Conservation	3	--	1	4
03.	Principles of Hydrology and Watershed Management	2	1	1	4
04.	Forest Soil - Chemistry and Fertility	3	--	1	4
05.	Environmental Science	3	--	1	4
06.	Silviculture Systems	2	--	1	3
Total Credits					23

B.Sc. III rd Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Forest Biotechnology	3	1	1	5
02.	Wood Anatomy	3	--	1	4
03.	Forest Mensuration	3	--	1	4
04.	Principles and Methods of Tree improvement	3	--	1	4
05.	Forest Management	3	--	1	4
06.	Structural Grammar and Spoken English (NC)	2	--	--	2
Total Credits					23

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B.Sc. IV th Semester					
S. No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Wood Technology & Nanoforestry	3	--	1	4
02.	Nursery Management and Commercial Forestry	3	--	1	4
03.	Rangeland Management	2	1	1	4
04.	Remote sensing and Its application in Forestry	3	--	1	4
05.	Forest Pathology	3	--	1	4
06.	Forest Policy and Legislation	2	1	1	4
07.	Student Project	--	--	1	1
Total Credits					25

B.Sc. V th Semester					
S. No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Utilization of Non-timber Forest Products	3	--	1	4
02.	Forest Tribology & Ethno-Forestry	3	--	1	4
03.	Fundamentals of Horticulture and Its Application	2	1	1	4
04.	Tree seed Technology & Plantation Forestry	3	--	1	4
05.	Fundamentals of Wildlife & Its Management	3	--	1	4
06.	Introductory Crop Production and Meteorology	3	--	1	4
Total Credits					24

B.Sc. VI th Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Fundamentals of Extension Education	2	1	--	3
02.	Agro Forestry system and Management	3	--	1	4
03.	Carbon Forestry	3	--	1	4
04.	Forest Entomology	3	--	1	4
05.	Marketing and Trade of Forest Produce	2	1	1	4
06.	Principles of Plant Physiology	3	--	1	4
Total Credits					23

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B.Sc. VII th Semester					
S.No.	Title of Paper	Lecture	Tutorial	Practical	Credits
01.	Bio Statistics and Computer Application	3	1	1	5
02.	Forest Engineering & Surveying	3	--	1	4
03.	Wood Products & Utilization	3	--	1	4
04.	World Forestry Systems	2	1	1	4
05.	Entrepreneurship Development and communication skills	2	1	--	3
Total Credits					20

B.Sc. VIII th Semester		
S.No.	Title of Paper	Credits
01.	Forest Institutes and Industrial Visit/training Project report writing, Presentation & Viva-voce	8
02.	Forestry Operations (Working Experience) Project report writing, Presentation & Viva-voce	9
03.	Socio-economic survey - village attachment	8
Total Credits		25

Grand Total of Credits = 184

- 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 this project.
- 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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