गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय अधिनेयम 2009 क्र. 25 के अंतर्गत खामित केन्न्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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## **List of Revised Courses**

# Department : Rural Technology and Social Development

Programme Name : *B.Sc. (Rural Technology)* 

Academic Year : 2020-21

## **List of Revised Courses**

Sr. No.	Course Code	Name of the Course
01.	NR/RT/C-501L	Land, Surveying, Leveling and Drawing
02.	NR /RT/C-501P	Practicals based on theory
03.	NR /RT/C-502L	Building Construction Material and Rural Infrastructure
04.	NR /RT/C-P-502P	Practicals based on theory
05.	NS/RT/DSE-1-501L	A: B: Rural Entrepreneurship and Management
06.	NS/RT/DSE-1-501P	Practicals based on theory
07.	NS/RT/DSE-2-502L	A: Natural Product Management B: Agricultural Equipments and Crop Production
08.	NS/RT/DSE-2-502P	Practicals based on theory
09.	NR/RT/C-601L	Introduction to Remote Sensing
10.	NR /RT/C-601P	Practicals based on theory
	NR /RT/C-602L	Introduction to Medicinal Plants
	NR /RT/C-P-602P	Practicals based on theory
	NS/RT/DSE-3-601L	A: Rural Energy Sources B: Watershed Management
	NS/RT/DSE-3-501P	Practicals based on theory
	NS/RT/DSE-4-601L NS/RT/DSE-4-601P	Rural Health Care Or
	Or	Organic Framing Or
	NS/RT/Dissertation	Linkages with Rural Organization

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

## Academic Year : 2020-21

School : SOS of Interdisciplinary Education and Research

**Department** : *Rural Technology and Social Development* 

Date and Time : *July 26, 2020 – 11:30 AM* 

Venue : *Library hall* 

The scheduled meeting of member of Board of Studies (BoS) of Department of Rural Technology and Social Development School of Studies of Interdisciplinary Education and Research, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the B.Sc. Final year (V and VI semesters) M.Sc., Ph.D. scheme and syllabus.

The following members were present in the meeting:

- 1. Prof. A.K. Gauraha (External Expert Member BoS, IGKV Raipur)
- 2. Dr. Rajendra Mehta (Member BoS, Dept. of. Rural Technology and Social Development)
- 3. Dr. P.R. Singh (HOD, Associate Prof., Dept. of Rural Technology and Social Development -cum Chairman, BOS)
- 4. Dr. S.K. Nirala (Member BoS, Assistant Professor, Dept. of Rural Technology and Social Development)
- 5. Dr. Bhaskar Chaurasia (Invited Member, Assistant Professor, Dept. of Rural Technology and Social Development)
- 6. Dr. Alka Mishra (Invited Member, Assistant Professor, Dept. of Rural Technology and Social Development)
- 7. Dr. Dilip Kumar (Invited Member, Assistant Professor, Dept. of Rural Technology and Social Development)
- 8. The BOS invited passed out students (namely Mr. Rakesh Kumar Ghritlahre, and Mr. Prasoon Soni) of this department to give their inputs as per their past experiences to improve course curriculum of the programs running under the department of Rural Technology and Social Development.

Following points were discussed during the meeting

- 1. After the discussion with all the members of the BOS, the existing choice based credit system (CBCS) Syllabus of B.Sc. I to IV semester had been improved which was implemented from 2018-19. Syllabus for B.Sc. V and VI Semester has been proposed for the implementation from 2020-21 in continuation of 2018-19.
- 2. The CBCS based scheme for B.Sc. Rural Technology for all the six semesters was approved by the BOS. (Scheme is attached here with).

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- 3. Existing syllabus of M.Sc. I to IV semester of Rural Technology has been improved and approved by BOS which was implemented from session 2019-20.(Scheme is attached here with).
- 4. Syllabus for Pre Ph.D. of Rural Technology had been improved and approved by the BOS which was implemented from session 2019-20.

The following new courses were introduced in the of B. Sc. Final year (V and VI Semesters):

✤ All courses of B.Sc. V and VI Semester

Signature & Seal of HoD

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## **Scheme and Syllabus**

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
F, L V E	Core-11	NR/RT/C-501L	Land, Surveying, Leveling and Drawing	4	4
	Core -11 Practical	NR /RT/C-501P	Practicals based on theory	2	4
	Core -12	NR /RT/C-502L	Building Construction Material and Rural Infrastructure	4	4
	Core -12 Practical	NR /RT/C-P-502P	Practicals based on theory	2	4
	Discipline Specific Elective (DSE-1)	NS/RT/DSE-1-501L	A: Goat and Pig Production Techniques B: Rural Entrepreneurship and Management	4	4
	DSE-1 - Practical	NS/RT/DSE-1-501P	Practicals based on theory	2	4
	Discipline Specific Elective (DSE-2)	NS/RT/DSE-2-502L 1	A: Natural Product Management B: Agricultural Equipments and Crop Production	4	4
	DSE-2 - Practical	NS/RT/DSE-2-502P	Practicals based on theory	2	4
			TOTAL	24	32
E	Core-13	NR/RT/C-601L	Introduction to Remote Sensing	4	4
E.	Core -13 Practical	NR /RT/C-601P	Practicals based on theory	2	4
	Core -14	NR/RT/C-602L	Introduction to Medicinal Plants	4	4
	Core -14 Practical	NR /RT/C-P-602P	Practicals based on theory	2	4
	Discipline Specific Elective (DSE-3)	NS/RT/DSE-3-601L	A: Rural Energy Sources B: Watershed Management	4	4
	DSE-3 - Practical	NS/RT/DSE-3-501P	Practicals based on theory	2	4
VI	Discipline Specific Elective (DSE-4) + DSE-4 - Practical	NS/RT/DSE-4-601L NS/RT/DSE-4-601P	Rural Health Care Or	4+2=6	
H	Or Dissertation/ Project work followed by seminar		Organic Framing Or Indigenous Arts and Crafts	Or 5 +1=6	8
			TOTAL	24	32
s per LIGC	CBCS middlines the set		TOTAL CREDITS	and the second sec	
ne subject) is	E course is four. One GE course is co a first two semester after which stude nal subject. (Subject to approval by	it shall change two GE for south	SEC courses offered by any department to students In present scheme it is proposed to have minimum publicet in III <sup>44</sup> and IV <sup>45</sup> semester, so that all the students with the student student student student students and student students.	of other de	partments.

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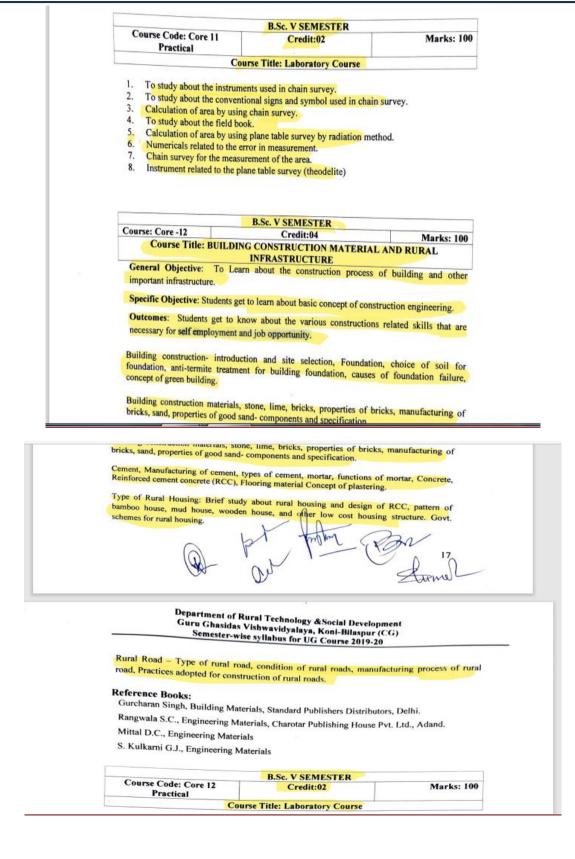
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Course: Core -11	B.Sc. V SEMESTER			
	Credit:04	Marks: 100		
General Objective: To Lean	ND, SURVEYING, LEVELING Al	ND DRAWING		
Specific Objection	in about the band surveying methods and	d drawing.		
Specific Objective: Student	ts get to learn about basic concept of	land survey drawing and		
design.				
Outcomes: Students get to	o know about the various construction	ne related skills at a		
necessary for self employment	and job opportunity.	is related skills that are		
Concept of surveying for	rural development, objectives, types,	units of measurement		
instruments used for surveying	g.	and of measurement,		
Chain surveying introduct				
running survey lines. Types of	n, principle and purpose, accessories	for chaining, methods,		
chain.	f ranging survey, Errors in chaining, T	esting and adjustment of		
Plane table survey introduction	n, principle and purpose, various equipr g. Errors in plane table surveyed	nents used in plane to L		
survey, Method of plane tablin	g, Errors in plane table survey and preca	autions to use		
Concept of contour, characteristics of contour; Methods of contouring, various contour map				
application. Concept of leveling	istics of contour; Methods of contouring	ng, various contour map		
and Global Positioning System	g, level surface, Differential Global Pos (GPS).	itioning System (DGPS)		
ст. (ст.с);				
ntroduction to various drawin	ig techniques, instruments and accesse			
sizes of drawing sheets and the	ir layouts, Lettering techniques and prin	ting		
	a lingues and prin	mig.		
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#### **Course Title: Laboratory Course**

- 1. Study of Building materials.
- 2. Study of various types of bricks and cement.
- 3. Calculation techniques of bricks for building
- 4. Calculation techniques of bar for building.
- 5. Calculation techniques of cement and sand for building.
- 6. Visit to some under construction sites of urban and rural areas.
- 7. Geotagging of construction site.

	B.Sc. V SEMESTER	
Course: DSE-1 A	Credit:04	Marks: 100
Course Title: CO	AT AND PIC PRODUCTION T	

General Objective: To Learn about the different breeds of goats and pigs and understanding of their feeding management.

Specific Objective: Students get to learn about basic concept of construction engineering.

**Outcomes:** Students get to know about the various housing and health management of of different breed of goats and pigs. On completion of this course, the students will be able to establish self employment and job opportunity.

Breeds, Breeding and Feeding of goats: Characteristics of important Indian breeds of goat of different regions. Modern techniques in reproduction. Feed, forage, nutrition and rationing.

Housing and health management in goats: Sheds/shelters and their orientation, ventilation, height and roofing material, floor type and space, shelter surroundings, essential appliances and hygiene. Health management in goats.

General caring practices of goat: determination of age, identification, disbudding and dehorning, castration, exercise, hoof trimming, care of bucks, mating seasons, care of kids, does. Techniques of milking and its collection.

Breeds, Breeding and Feeding of pigs: Characteristics of important breeds of pigs. Breeding systems, feeding and rationing.