

First Meeting

Date - 25/2/2013

Proceeding of Board of Studies in Rural Technology

Meeting of Board of studies in Rural Technology held on 25/2/2013 in the Department of Rural Technology, Chauras Campus, HNB Garhwal University, Srinagar Garhwal. The following members were present

1. Dr. R. S. Negi -
HOD/Chairperson

R S Negi
25/2/2013

2. Prof. Nayan sharma -
Member

Nayan Sharma
25/2/2013

3. Prof. G. S. Rawat -
Member

G S Rawat
25/2/13

4. Prof. Y. K. Tomar -
Member

Y K Tomar
25-2-13

Department of Rural Technology
Board of Studies in Rural Technology

First Meeting

February 25, 2013

Venue: Department Rural Technology

Time: 10:00 AM

In accordance with the relevant provisions of the Ordinances, the Registrar issued the Notification dated 15.02.2013.

The Meeting was held and following members participated:

1. Dr. R.S. Negi- Head/Chairperson
2. Professor Nayan Sharma- Member
3. Professor G.S. Rawat- Member
4. Professor Y.K. Tomar- Member

Agenda of the Meeting

Item No.

1. Syllabi for courses: M.Sc. Rural Technology, Pre- Ph.D. Rural Technology (Annexure I to IV)

It is proposed:-

- a. To update / restructure the Syllabi as per need of the credit system and new examination patterns.
- b. Discussion on restructuring of syllabi of M.Sc III semester. In view of restructuring of syllabi 3 Core courses of 3 Credits each and 3 Elective courses of 3 Credits each. For the batch 2011-13 & 2012-14.

(M.Sc. 3rd Semester - Core Courses 3 (2 Theory + 1 Practical/ Term Courses of 3 credits each), Elective Courses 3 (2 Theory+ Practical/ Term Courses of 3 credits each). For the batch 2011-13 & 2012-14). The old and revised syllabi are at Annexure I.
- c. Discussion on restructuring/ reatification in the syllabi of M.Sc. IV semester. In view of restructuring in the Core and Elective course are to be added. Core Course of 3 credits, 3 Elective Courses of 3 credits each.

M.Sc. 4th Semester - Core Courses 1 (2 Theory + 1 Practical Courses of 3 credits) and Dissertation of 6 Credits, Elective Courses 3 (2 Theory+ Practical/ Term Courses of 3 credits each). Field based Project/ Dissertation work 6 Credits in core course. Dissertation be allotted in the beginning of 3rd semester to the students. For the batch 2011-13 & 2012-14. The old and revised syllabi are at Annexure I.



2. Discussion on revision of syllabus of M.Sc. Rural Technology. Keeping in view needs some modification in the syllabi. In addition some course contents and suggested readings are added to the Core and Electives courses. This has been applying for the new session students w.e.f. July 2013. The old and revised syllabi are Annexure II.
3. Discussion on Pre-Ph.D. course Syllabus of Rural Technology. Pre-Ph.D. course syllabi at Annexure III.
4. Discussion on changing the nomenclature of the department in view of the present requirements. New nomenclature is Department of Rural Development & Resources Management instead of Department of Rural Technology.
5. Preparation of panel of expert are attached as Annexure IV
6. Preparation of panel of examiners for M.Sc. Rural Technology II & IV semester. List of examiners of above semester are attached as Annexure V.
7. Any other item



PROCEEDINGS

Department of Rural Technology

Board of Studies in Rural Technology

First Meeting

February 25, 2013

Venue: Department Rural Technology

Time: 10:00 AM

In accordance with the relevant provisions of the Ordinances, the Registrar issued the Notification dated 15.02.2013.

The Meeting was held and following members participated:

1. Dr. R.S.Negi- Head/Chairperson
2. Professor Nayan Sharma- Member
3. Professor G.S. Rawat- Member
4. Professor Y.K. Tomar- Member

The Chair heartily welcomed to all participating Hon'ble members and briefly apprised the purpose and circumstances of the meeting. The agenda items were discussed.

Item No.

1. Syllabi for courses: M.Sc. Rural Technology, Pre- Ph.D. Rural Technology (Annexure I to V)

It is proposed:-

- a. To update / restructure the Syllabi as per need of the credit system and new examination patterns.
- b. Discussion on restructuring of syllabi of M.Sc III semester. In view of restructuring of syllabi 3 Core courses of 3 Credits each and 3 Elective courses of 3 Credits each. For the batch 2011-13 & 2012-14.

M.Sc. 3rd Semester - Core Courses 3 (2 Theory + 1 Practical/ Term Courses of 3 credits each), Elective Courses 3 (2 Theory+ Practical/ Term Courses of 3 credits each). For the batch 2011-13 & 2012-14.
- c. Discussion on restructuring/ reatification in the syllabi of M.Sc. IV semester. In view of restructuring in the Core and Elective course are to be added. Core Course of 3 credits, 3 Elective Courses of 3 credits each.

M.Sc. 4th Semester - Core Courses 1 (2 Theory + 1 Pratical Courses of 3 credits) and Dissertation of 6 Credits, Elective Courses 3 (2 Theory+ Pratical/ Term Courses of 3 credits each). For the batch 2011-13 & 2012-14. Field based Project/ Dissertation work of 6 Credits as a Core course. Dissertation be allotted in the beginning of 3rd semester to the students.). The old and revised syllabi are at Annexure.

Resolution: Approved as proposed

2. Discussion on revesion of syllabus of M.Sc. Rural Technology. Keeping in view needs some modification in the syallabi. In addition some course contents and suggested readings are added to the Core and Electives courses. This has been appllied for the new session students w.e.f. July 2013. The old and revised syllabi are Annexure II.

Resolution: Approved as proposed with some modification and also resolved that adequate laboratory infrastructure facilities are to be developed in due course.

3. Discussion on Pre- Ph. D course Syllabus of Rural Technology. Pre- Ph.D course syallabi at Annexure III.

Resolution: Approved as proposed

4. Discussion on changing the nomenclature of the department in view of the present requiremets. New nomenclature is Department of Rural Development and Resources Management instead of Department of Rural Technology.

Resolution: Approved as proposed

5. Preparation of panel of expert are attached as Annexure IV

Resolution: Approved as proposed

6. Preparation of panel of examiners for M.Sc. Rural Technology II & IV semester.


List of examiners of above semester are attached as Annexure V.


Resolution: Approved as proposed

7. Any other item (with the permission of Chairperson) : Nil

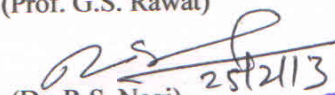
8. **Concluding remarks:** The Chair appreciated the valuable contribution of all participating members and for sparing the time out of their busy schedule to make the meeting a success.

9. Vote of thanks: all members extended warm appreciation and thank to the Chair.


(Prof. Nayan Sharma)


(Prof. G.S. Rawat)


(Prof. Y. K. Tomar)


(Dr. R.S. Negi)
Head/ Chairperson

Dean, Agricul Allied sciences



M.Sc. Rural Technology Two Years (4 Semesters) Course Schedule

Course Code	Title of the Paper	Credits (Marks)					
	SEMESTER-I	Total	Theory	Tutorial	Practical	Credits	Sessional
SOA/RT/C501	Natural Resources Management	100	2 (60)		1(20)	3	20 (10+10)
SOA/RT/C502	Innovative Technologies for Rural Development- I	100	2 (60)		1(20)	3	20 (10+10)
SOA/RT/C503	Rural Sociology and Demography	100	2 (60)	1(20)		3	20 (10+10)
SOA/RT/C504	Environment and Biodiversity	100	2 (60)	1(20)		3	20 (10+10)
SOA/RT/C505	Concepts of Statistics	100	2 (60)		1(20)	3	20 (10+10)
SOA/RT/C506	Rural Marketing and Management	100	2 ((60)	1(20)		3	20 (10+10)
	Sub Total	600	12	3	3	18	
	SEMESTER-II						
SOA/RT/C507	Medicinal and Aromatic Plants (MAPs)	100	3(60)		1(20)	4	20 (10+10)
SOA/RT/C508	Rural Industrial Planning for Development	100	3 (60)	1(20)		4	20 (10+10)
SOA/RT/C509	Fundamentals of Remote Sensing	100	2 (60)		1(20)	3	20 (10+10)
SOA/RT/C510	Rural Energy Resources Management	100	3 (60)	1(20)		4	20 (10+10)
SOA/RT/C511	Disaster Mitigation and Management	100	2 (60)	1(20)		3	20 (10+10)
	Sub Total	500	13	3	2	18	
	SEMESTER-III						
SOA/RT/C512	Fruit and Vegetable Preservation	100	2 (60)		1(20)	3	20 (10+10)
SOA/RT/C513	Innovative Technologies for Rural Development - II	100	2 (60)		1(20)	3	20 (10+10)
SOA/RT/C514	Fundamentals of GIS	100	2 (60))		2(20)	4	20 (10+10)
Elective	Course offered by other Department	100	2(60)	1(20)		3	20(10+10)
Elective	Course offered by Department	100	2(60)	1(20)		3	20(10+10)
Elective	Course offered by Department	100	2(60)		1(20)	3	20(10+10)
	Sub Total	600	12	2	5	19(10+9)	
	Elective courses offered by the Rural Technology Department Students can choose two out of the following three electives courses						
SOA/RT/E516	Rural Project Planning and Management	100	2 (60)	1(20)		3	20 (10+10)
SOA/RT/E517	Rural Economics and Entrepreneurship	100	2 (60)	1(20)		3	20 (10+10)
SOA/RT/E518	Computer Application for Rural Development	100	2 (60)		1(20)	3	20 (10+10)
	SEMESTER-IV						
SOA/RT/C515	M.Sc Thesis	200			8	8	
SOA/RT/SS523	Self Study Course	100	3(100)			3	
Elective	Course offered by other Department	100	2(60)	1(20)		3	20(10+10)
Elective	Course offered by Department	100	2(60)	1(20)		3	20(10+10)
Elective	Course offered by the Department	100	2(60)		1(20)	3	20(10+10)
	Sub Total	500	9	2	9	20(8+3+9)	
	Elective courses offered by the Rural Technology Department Students can choose two out of the following three electives courses						
SOA/RT/E519	Technology Alternative for Rural Housing	100	2 (60)	1(20)		3	20 (10+10)
SOA/RT/E520	Rural Health, Sanitation and Water	100	2 (60)	1(20)		3	20 (10+10)
SOA/RT/E521	Environmental Impact Assessment (EIA)	100	2 (60)	1(20)		3	20 (10+10)
	Total	2200	46	10	19	75	
	Grand Total Semester I - IV	Core = 54 + Elective 18 + Self Study 3 = 75 Credits					

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Summary of Credit

Semester	Core credit	Elective credit	Self Study	Total credit
I st	18(600)	-		18(600)
II nd	18(500)	-		18(500)
III rd	10(300)	09(300)		19(600)
IV th	8(200)	9(300)	3(100)	20(500)
	54(1600)	18(600)	3(100)	75(2200)

There will be 02 internal assessments consisting of 10 marks each for each theory paper. However, it can be internal assessment depending on course teacher.

* In some papers, Instead of practical there will be term paper and seminar in which students will be asked to prepare a paper on a particular topic and present the same in seminar.

Important Points from Academic ordinances

In order to qualify for a two-year master's degree a student must acquire a minimum of 72 credits including a minimum of 18 credits in electives choosing at least two electives (leading to a minimum 6 credits) offered by other departments/other streams of specialties in the department and one qualifying self study course of minimum 3 credits.

The distribution of marks for the M.Sc. thesis will be as below:

Seminar Presentation	50 Marks
M.Sc. Thesis (Evaluation)	100 Marks
Viva-voce	50 Marks
Total	200 Marks

M.Sc. Thesis shall be evaluated jointly by external as well as internal examiner.

Annexure - I
(Revised)

**M.Sc. Rural Technology Course Schedule
Session 2011-13, 12-14**

Session 2011-13, 12-14							
Course Code	Title of the Course	Marks					
		Total	Theory	Tutorial	Practical	Credits	Sessional
	Semester I						
SOA/RT/C501	Natural Resource Management	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C502	Innovative Technologies for Rural Development I	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C503	Rural Sociology and Demography	100	2(60)	1(20)		03	20 (10+10)
SOA/RT/C504	Environment and Biodiversity	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/C505	Concepts of Statistics	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C506	Rural Marketing and Management	100	2(60)	1(20)		03	20 (10+10)
	Total	600	12	3	3	18	
	Semester II						
SOA/RT/C507	Medicinal and Aromatic Plants (MAPs)	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C508	Rural Industrial Planning for Development	100	3(60)	1(20)	-	04	20 (10+10)
SOA/RT/C509	Fundamental of Remote Sensing	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C510	Rural Energy Resources Management	100	3(60)	1(20)	-	04	20 (10+10)
SOA/RT/C511	Disaster Mitigation and Management	100	3(60)	1(20)	-	04	20 (10+10)
	Total	500	13	3	2	18	
	Semester III						
SOA/RT/C512	Fruit and Vegetable Preservation	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C513	Innovative Technologies for Rural Development-II	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C514	Fundamental of GIS	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/E517	Elective Course: Any three of the following a. Rural Project Planning and Management	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E518	b. Rural Economics and Entrepreneurship	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E519	c. Computer Application for Rural Development	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/E520	d. Rural Management	100	2(60)	1(20)	-	03	20 (10+10)
	Total	600	12	2	4	18	
	Semester IV						
SOA/RT/C515	Fundamental of Soil Science	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C516	Field Based Project Work / Dissertation	100			06	06	
SOA/RT/E521	Elective Course: Any three of the following a. Environmental Impact Assessment	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E522	b. Technology Alternative for Rural Housing	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E523	c. Rural Health Sanitation and Water	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E524	d. Global Climate Change	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/SS525	Self Study: • Watershed Hydrology and Resources Conservation	100	3(60)		-	03	40(20+20)
		500	8	3	7	18	
	Total	2100	45	11	16	72	

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SUMMARY OF CREDIT

Semester	Core Credit	Elective Credit	Self Study	Total Credit
I	18(500)			18(500)
II	18(500)			18(500)
III	9(300)	9(300)		18(600)
IV	9(200)	9(300)	3(100)	18(500)
I-IV	54(1500)	18(600)	3(100)	75(2100)

#There will be 02 internal assessments consisting of 10 marks each for each theory paper.

However, it can be internal assessment depending on course teacher.

*In some paper, Instead of practical there will be Term paper/ Seminar in which students will be asked to prepare a paper on a particular topic and present the same in seminar.

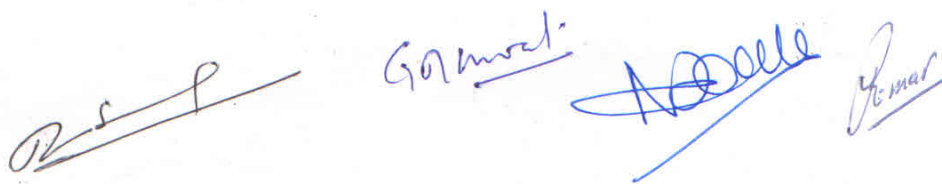
Important Point from Academic Ordinances

In order to qualify for a Two-Year Master's degree a student must acquire a minimum of 72 credits including a minimum of 54 credits in Core and 18 credits in Electives and one qualifying self study course of minimum 3 Credits.

The Distribution of marks for Dissertation/ Project report & Viva-voce will be as below

Periodical Presentation	20 Marks
Dissertation	60 Marks
Viva-voce	20 Marks
Total	100 Marks

Dissertation/ Project Report shall be evaluated jointly by Internal and the External Examiner.



M.Sc. RURAL TECHNOLOGY (Syllabus from the academic session 2013-2014)

(Syllabus from the academic session 2013-2014)							
Course Code	Title of the Paper	Credits (Marks)					Sessional
		Total	Theory	Tutorial	Practical	Credits	
Semester I							
SOA/RT/C001	Watershed Management	100	3(60)	-	1(20)	04	20 (10+10)
SOA/RT/C002	Innovative Technologies for Rural Development I	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C003	Concepts of Statistics	100	3(60)	-	1(20)	04	20 (10+10)
SOA/RT/C004	Environment and Biodiversity Conservation	100	3(60)	1(20)	-	04	20 (10+10)
SOA/RT/C005	Rural Sociology and Demography	100	2(60)	1(20)	-	03	20 (10+10)
		500	13	2	3	18	
Semester II							
SOA/RT/C006	Fundamental of Soil Science	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C007	Mushroom Cultivation Technique	100	3(60)	-	1(20)	04	20 (10+10)
SOA/RT/C008	Rural Project Planning and Management	100	3(60)	1(20)	-	04	20 (10+10)
SOA/RT/C009	Rural Industrial Planning for Development	100	3(60)	1(20)	-	04	20 (10+10)
SOA/RT/C010	Innovative Technologies for Rural Development II	100	2(60)	-	1(20)	03	20(10+10)
SOA/RT/SS001	Self Study: • Watershed Hydrology and Resources Conservation	100	3(60)	-	-	03	40(20+20)
		500	13	2	3	18	
Semester III							
SOA/RT/C011	Medicinal and Aromatic Plants (MAPs)	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C012	Disaster Mitigation and Management	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/C013	Fundamentals of Remote Sensing and GIS	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/E001	Elective Course: Any three of the following a. Rural Energy Resources Management b. Rural Marketing and Management c. Introduction to Apiculture d. Rural Health, Sanitation and Water	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E002		100	2(60)	1(20)	-	03	20(10+10)
SOA/RT/E003		100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/E004		100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/SS002	Self Study: • Rural Management	100	3(60)	-	-	03	40(20+20)
		600	12	4	2	18	
Semester IV							
SOA/RT/C014	Preservation of Fruit and Vegetable	100	2(60)	-	1(20)	03	20 (10+10)
SOA/RT/C015	Field Based Project Work / Dissertation	100			06	06	
SOA/RT/E005	Elective Course: Any three of the following a. Entrepreneurship Development b. Environmental Impact Assessment c. Technology Alternative for Rural Housing d. Global Climate Change	100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E006		100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E007		100	2(60)	1(20)	-	03	20 (10+10)
SOA/RT/E008		100	2(60)	1(20)	-	03	20(10+10)
SOA/RT/SS003	Self Study: • Computer Application for Rural Development	100	3(60)	-	-	03	40(20+20)
		500	8	3	7	18	
	Total	2100	46	11	15	72	
Grand Total Semester I to IV		Core=54+ Elective 18 = 72Credits					

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S. S.

Summary of Credit

Semester	Core Credit	Elective Credit	Self Study	Total Credit
I	18(500)			18(500)
II	18(500)		3(100)	18(500)
III	9(300)	9(300)	3(100)	18(600)
IV	9(200)	9(300)	3(100)	18(500)
I-IV	54(1500)	18(600)	3(100)	72(2100)

#There will be 02 internal assessments consisting of 10 marks each for each theory paper/ course. However, it can be internal assessment depending on course teacher.

- In some paper, Instead of practical there will be Term paper/ Seminar in which students will be asked to prepare a paper on a particular topic and present the same in seminar.
- Maximum marks for each course: 100 [40 (20 sessional + 20 Practical/Term paper) + 60 End Term Test]

Important Point from Academic Ordinances

- In order to qualify for a Two-Year Master's degree a student must acquire a minimum of 72 credits including a minimum of 54 credits in Core and 18 credits in Electives course.
- Maximum 9 credits self study course (one minimum 3 Credits course shall be mandatory but not to be included while calculating the grades).

The Distribution of marks for Dissertation/ Project report & Viva-voce will be as below

Periodical Presentation	20 Marks
Dissertation	60 Marks
Viva-voce	20 Marks
Total	100 Marks

Field Based Project Work / Dissertation shall be evaluated jointly by Internal and the External Examiner.

