

## Programme Details

<b>Program</b>	<b>Degree</b>	<b>Duration</b>
<b>UG</b>	1. B.Sc. (Forestry)	4 Years = 8 Semesters
<b>PG</b>	1. M. Sc. (Forestry)	2 Years = 4 Semesters
	2. Ph. D. (Forestry)	3 Years = 6 Semesters

The courses in UG programmes are run as per the 4<sup>th</sup> Dean's committee recommendations. Similarly, PG programmes are run as per the recommendation of ICAR-BSMA (2009). B.Sc. Forestry is four years degree programme consisting of eight semesters with 169 credit hours including 84 and 85 credit hours for theory and practical, respectively. Out of eight semesters, two semesters are kept for Vocation Training at 7<sup>th</sup> semester (20 credits) and Forestry Work Experience at 8<sup>th</sup> semester (20 credits).

### Semester wise courses offered at UG level

<b>Semester s</b>	<b>Number of courses offered</b>	<b>Total credits</b>
<b>I</b>	<b>11</b>	<b>25 (16+9)</b>
<b>II</b>	<b>08</b>	<b>21 (14+7)</b>
<b>III</b>	<b>11</b>	<b>21 (13+8)</b>
<b>IV</b>	<b>10</b>	<b>19 (15-8)</b>
<b>V</b>	<b>08</b>	<b>19 (13+6)</b>
<b>VI</b>	<b>07</b>	<b>20 (13+7)</b>
<b>VII</b>	<b>Vocational training</b>	<b>20 (0+20)</b>
<b>VIII</b>	<b>Forestry Work Experience</b>	<b>20 (0+20)</b>
	<b>Total</b>	<b>169</b>

**DEPARTMENTWISE COURSES IN B.Sc. (Hons) FORESTRY**

Sr. No.	Title	Credits	Course No.
<b>A. Silviculture and Agroforestry</b>			
1	Fundamentals of Horticulture	3(2+1)	SAF.1.1
2	Principles & Practices of Silviculture	4(3+1)	SAF.2.2
3	Nursery Management	2(1+1)	SAF.2.3
4	Environmental Science	3(2+1)	SAF.2.4
5	Forest Mensuration	3(2+1)	SAF.3.5
6	Silviculture of Indian Trees	3(2+1)	SAF.4.6
7	Livestock Management	2(1+1)	SAF.4.7
8	Plantation Forestry	2(1+1)	SAF.5.8
9	Silviculture Systems	2(2+0)	SAF.5.9
10	World Forestry Systems	2(2+0)	SAF.5.10
11	Agroforestry Systems and management	3(2+1)	SAF.6.11
	<b>Total</b>	<b>29(20+9)</b>	
<b>B. Forest Biology &amp; Tree Improvement</b>			
1	Forest Ecology, Biodiversity & Conservation	3(2+1)	FBT.2.1
2	Principles of Tree Improvement	3(2+1)	FBT.3.2
3	Tree Seed Technology	2(1+1)	FBT.3.3
4	Dendrology	3(2+1)	FBT.4.4
5	Fundamentals of Wild Life	2(2+0)	FBT.4.5
6	Forest Pathology	3(2+1)	FBT.4.6
7	Wild Life Management	3(2+1)	FBT.5.7
8	Forest Entomology and Nematology	3(2+1)	FBT.6.8
	<b>Total</b>	<b>22(15+7)</b>	
<b>C. Forest Products &amp; Utilization</b>			
1	Wood Anatomy	2(1+1)	FPU.3.1
2	Logging and Ergonomics	2(1+1)	FPU.3.2
3	Wood Products and Utilization	2(1+1)	FPU.4.3
4	Wood Science and Technology	3(2+1)	FPU.4.4
5	Ethnobotany	3(2+1)	FPU.5.5
6	Utilization of Non- Timber Forest Products	3(2+1)	FPU.6.6
7	Medicinal and Aromatic Plant	3(2+1)	FPU.6.7
	<b>Total</b>	<b>18(11+7)</b>	
<b>D. Natural Resource Management</b>			
1	Fundamentals of Geology and Soil Science	3(2+1)	NRMF.1.1
2	Agrometerology	2(1+1)	NRMF.1.2
3	Principles of Hydrology, Soil and water Conservation	3(2+1)	NRMF.2.3
4	Chemistry and Fertility of Forest Soils	3(2+1)	NRMF.2.4

5	Soil Survey, Remote Sensing and Wasteland Development	3(2+1)	NRMF.3.5
6	Forest Engineering	2(1+1)	NRMF.3.6
7	Organic Farming	2(1+1)	NRMF.3.7
8	Rangeland Management	3(2+1)	NRMF.5.8
9	Forest Business Management	2(1+1)	NRMF.5.9
10	Principles of Forest Economics, Project Planning and Evaluation	2(1+1)	NRMF.5.10
11	Forest Management, Policy and Legislation	3(2+1)	NRMF.6.11
12	Marketing and Trade of Forest Produce	3(2+1)	NRMF.6.12
	<b>Total</b>	<b>31(19+12)</b>	
<b>E. Basic Sciences &amp; Humanities</b>			
1	Computer Application	2(1+1)	BSH.1.1
2	Principles of Plant Physiology	2(1+1)	BSH.1.2
3	Introductory Forest Economics	2(2+0)	BSH.1.3
4	Structural Grammar and Spoken English	2(1+1)	BSH.1.4
5	NCC/NSS/Physical Education	1(0+1)	BSH.1.5
6	Introductory Botany	3(2+1)	BSH.1.6
7	Elementary Statistics	3(2+1)	BSH.2.7
8	Forest Tribology and Anthropology	2(2+0)	BSH.3.8
9	Basic Mathematics (Biology Group) (NC)	3(3+0)	BSH.3.9
10	Principles of Cytology and Genetics	3(2+1)	BSH.3.10
11	Fundamentals of Extension Education	2(1+1)	BSH.4.11
12	Tree Physiology	3(1+1)	BSH.4.12
13	Plant Biochemistry and Biotechnology	3(2+1)	BSH.5.13
14	Entrepreneurship Development and Communication skills	2(1+1)	BSH.6.14
	<b>Total</b>	<b>29(19+10)</b>	
<b>F. Forestry Work Experience</b>			
1	FWE/ Hands-on-Training in specialized field report writing, presentation and viva- voice	0+20	FWE.7
2	FWE with forest department including All Indian Education Tour of 3 Weeks, report writing, presentation and vive- voice	0+20	FWE.8
(i)	Total credits of credit courses –A TO E	129(84+45)	
(ii)	<b>Total credits of Forestry work Experience (F)</b>	<b>40(0+40)</b>	
	<b>GRAND TOTAL OF (i + ii)</b>	<b>169(84+85)</b>	
	<b>Total credits of non- credit Courses</b>	<b>7 (3+4)</b>	

**SEMESTERWISE COURSES IN FORESTRY B.Sc. (Hons) FORESTRY**

<b>Semester-I</b>		<b>Credits</b>
<b>SAF 1.1</b>	<b>Fundamentals of Horticulture</b>	<b>2+1</b>
<b>NRMF.1.1</b>	<b>Fundamentals of Geology Soil Science</b>	<b>2+1</b>
<b>NRMF.1.2</b>	<b>Agrometeorology</b>	<b>1+1</b>
<b>BSH.1.1</b>	<b>Computer application</b>	<b>1+1</b>
<b>BSH.1.2</b>	<b>Principles of Plant Physiology</b>	<b>1+1</b>
<b>BSH.1.3</b>	<b>Introductory Forest Economics</b>	<b>2+0</b>
<b>BSH.1.4</b>	<b>Structural Grammar and Spoken English</b>	<b>1+1</b>
<b>BSH.1.6</b>	<b>Introductory Botany</b>	<b>2+1</b>
<b>BSH.1.5</b>	<b>NCC/NSS/Physical Education (NC)</b>	<b>0+1</b>
	<b>Total</b>	<b>19(12+7)</b>
<b>Semester-II</b>		
<b>SAF.2.2</b>	<b>Principles &amp; Practices of Silviculture</b>	<b>3+1</b>
<b>SAF.2.3</b>	<b>Nursery Management</b>	<b>1+1</b>
<b>SAF.2.4</b>	<b>Environmental Science</b>	<b>2+1</b>
<b>FBT.2.1</b>	<b>Forest Ecology, Biodiversity &amp; Conservation</b>	<b>2+1</b>
<b>NRMF.2.3</b>	<b>Principles of Hydrology, Soil &amp; Water Conservation</b>	<b>2+1</b>
<b>NRMF.2.4</b>	<b>Chemistry and Fertility of Forest Soils</b>	<b>2+1</b>
<b>BSH.1.5</b>	<b>NCC/NSS/ (NC)</b>	<b>0+1</b>
<b>BSH.2.7</b>	<b>Elementary Statistics</b>	<b>2+1</b>
	<b>Total</b>	<b>21(14+7)</b>
<b>Semester-III</b>		
<b>SAF.3.5</b>	<b>Forest Mensuration</b>	<b>2+1</b>
<b>FBT.3.2</b>	<b>Principles of Tree improvement</b>	<b>2+1</b>
<b>FBT.3.3</b>	<b>Tree Seed Technology</b>	<b>1+1</b>
<b>FPU.3.1</b>	<b>Wood Anatomy</b>	<b>1+1</b>
<b>FPU.3.2</b>	<b>Logging and Ergonomics</b>	<b>1+1</b>
<b>NRMF.3.5</b>	<b>Soil Survey, Remote Sensing &amp; Wasteland Development</b>	<b>2+1</b>
<b>NRMF.3.6</b>	<b>Forest Engineering</b>	<b>1+1</b>
<b>NRMF.3.7</b>	<b>Organic Farming</b>	<b>1+1</b>
<b>BSH.3.8</b>	<b>Forest Tribology and Anthropology</b>	<b>2+0</b>
<b>BSH.3.9</b>	<b>Basic Mathematics (Biology Group)</b>	<b>3+0</b>
<b>BSH.3.10</b>	<b>Principles of cytology and Genetics</b>	<b>2+1</b>
<b>BSH.1.5</b>	<b>NCC/NSS/ (NC)</b>	<b>0+1</b>
	<b>Total</b>	<b>24(15+9)</b>
<b>Semester-IV</b>		
<b>SAF.4.6</b>	<b>Silviculture of Indian Trees</b>	<b>2+1</b>
<b>SAF.4.7</b>	<b>Livestock Management</b>	<b>1+1</b>

<b>FBT.4.4</b>	<b>Dendrology</b>	<b>2+1</b>
<b>FBT.4.5</b>	<b>Fundamentals of wild Life</b>	<b>2+0</b>
<b>FBT.4.6</b>	<b>Forest Pathology</b>	<b>2+1</b>
<b>FPU.4.3</b>	<b>Wood Products &amp; Utilization</b>	<b>1+1</b>
<b>FPU.4.4</b>	<b>Wood Science and Technology</b>	<b>2+1</b>
<b>BSH.4.11</b>	<b>Fundamentals of Extension Education</b>	<b>1+1</b>
<b>BSH.4.12</b>	<b>Tree Physiology</b>	<b>2+1</b>
<b>BSH.1.5</b>	<b>NCC/NSS/ (NC)</b>	<b>0+1</b>
	<b>Total</b>	<b>19(15+8)</b>
<b>Semester-V</b>		
<b>SAF.5.8</b>	<b>Plantation Forestry</b>	<b>1+1</b>
<b>SAF.5.9</b>	<b>Silvicultural Systems</b>	<b>2+0</b>
<b>SAF.5.10</b>	<b>World Forestry Systems</b>	<b>2+0</b>
<b>FBT.5.7</b>	<b>Wildlife Management</b>	<b>2+1</b>
<b>FPU.5.5</b>	<b>Ethnobotany</b>	<b>2+1</b>
<b>NRMF.5.8</b>	<b>Rangeland Management</b>	<b>2+1</b>
<b>NRMF.5.9</b>	<b>Forest Business Management</b>	<b>1+1</b>
<b>NRMF.5.10</b>	<b>Principles of Forest Economics, Project Planning and Evaluation</b>	<b>1+1</b>
<b>BSH.5.13</b>	<b>Plant Biochemistry and Biotechnology</b>	<b>2+1</b>
	<b>Total</b>	<b>22(15+7)</b>
<b>Semester-VI</b>		
<b>SAF.6.11</b>	<b>Agroforestry Systems and Management</b>	<b>2+1</b>
<b>FBT.6.8</b>	<b>Forest Entomology and Nematology</b>	<b>2+1</b>
<b>FPU.6.6</b>	<b>Utilization of Non-timber Forest Products</b>	<b>2+1</b>
<b>FPU.6.7</b>	<b>Medicinal and Aromatic Plant</b>	<b>2+1</b>
<b>NRMF.6.11</b>	<b>Forest Management, Policy and Legislation</b>	<b>2+1</b>
<b>NRMF.6.12</b>	<b>Marketing and Trade of Forest Produce</b>	<b>2+1</b>
<b>BSH.6.14</b>	<b>Entrepreneurship Development and Communication Skills</b>	<b>1+1</b>
	<b>Total</b>	<b>20(13+7)</b>
	<b>Total of I to VI Semester</b>	<b>129</b>
<b>Semester-VII</b>		
<b>FWE.7</b>	<b>Semester Multidisciplinary courses/Vocational Training (0+20)- Hands on Training/Experiential Learning: Areas of specialization for “Hands-on training” should be decided by each college/University as detailed below depending upon local needs and industrial demand. It is expected that the students will prepare a work plan for the relevant area of specialization. An end-to-end</b>	<b>20 (0+20)</b>

	<p>approach is to be followed in implementing the programme. While identifying the area of specialization, the college shall take into account the faculty and infrastructure facilities available and their regional significance. All the students shall have an Advisor, who will guide the students in “Hands-on Training”. A total of 20 credits are allotted for “Hands-on Training” and the evaluation of the same shall be done by the Committee appointed by the Dean of the respective college.</p>	
<b>FWE- 7.1</b>	<b>Medicinal and Forest Plants Nursery (As Per APPENDIX- I)</b>	<b>10 (0+10)</b>
<b>FWE- 7. 2</b>	<b>Commercial apiculture (As Per APPENDIX- I)</b>	<b>10 (0+10)</b>

<b>Semester-VIII</b>		
<b>FWE.8</b>	<p><b>Forestry Work Experience: (0+20)</b>  <b>Total duration of the programme should be 20 weeks. 14 weeks of the programme shall focus on village and /or State Forest Departments including 3 weeks all India tour. In the concluding 2 weeks the students shall be preparing a complete project report and give an oral presentation.</b></p>	<b>20 (0+20)</b>
<b>FWE.8.1</b>	<b>Educational Tour</b>	<b>0+3</b>
<b>FWE 8.2</b>	<b>Study Tour of North Gujarat</b>	<b>0+ 4</b>
<b>FEW 8.3</b>	<b>Study Tour of Middle Gujarat</b>	<b>0+ 4</b>
<b>FWE 8.4</b>	<b>Study Tour of Saurashtra Forest</b>	<b>0+ 4</b>
<b>FEW 8.5</b>	<b>Study Tour of South Gujarat (As per APPENDIX II).</b>	<b>0+ 5</b>
	<b>Grand Total</b>	<b>169</b>

**Evaluation System Forestry Work Experience: (0+20)**

Course No.	Credits	Report writing	Viva – Voce	Sem. End Exam	Total Marks
FWE.8.1	0+3	30	20	50	100
FWE.8.2	0+4	30	20	50	100
FWE.8.3	0+4	30	20	50	100
FWE.8.4	0+4	30	20	50	100
FWE.8.5	0+5	30	20	50	100
	0+20				

## Post Graduate Degree Programmes

The College of Forestry offers Master's degree programme in five specializations and doctoral degree programme in three specializations. During 2013-14, five students are admitted in M.Sc. Forestry (Agroforestry) and one in M.Sc. Forestry (Medicinal and Aromatic Plants). Total five students including In-service candidates are joined for Ph.D. Forestry programme in Agroforestry (04 students) and Forest Genetic Resources (01 student) during this academic year.

Program : M.Sc. (Forestry)			
Sr. No.	Course code	Course	Credit Points
<b>A. CORE COURSES</b>			
1	FOR 501	SILVICULTURE	2+0
2	FOR 502	FOREST BIOMETRY	1+1
3	FOR 503	FOREST MANAGEMENT	2+0
4	FOR 504	FOREST PRODUCTS - CHEMISTRY AND INDUSTRIES	2+1
5	FOR 505	FOREST ECOLOGY AND BIODIVERSITY CONSERVATION	2+1
6	FOR 506	FOREST RESOURCE MANAGEMENT AND ECONOMICS	1+1
7	FOR 507	FOREST PROTECTION	1+1
8	FOR 508	FOREST POLICY AND LAWS AND INTERNATIONAL CONVENTIONS	2+0
9	FOR 509	TREE IMPROVEMENT	1+1
10	FOR 510	FORESTS AND PEOPLE	2+0
<b>B. SUPPORTING COURSES</b>			
1	FOR 511	COMPUTER APPLICATION AND INFORMATION TECHNOLOGY	0+1
2	FOR 512	REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM	1+1
3	FOR 513	GENERAL STATISTICAL METHODS AND RESEARCH METHODOLOGY	1+1
<b>AGROFORESTRY</b>			
1	AF 521	AGROFORESTRY SYSTEMS	2+1
2	AF 522	SOIL AND WATER MANAGEMENT IN AGROFORESTRY	1+1
3	AF 523	CROPS AND ANIMALS PRODUCTION MANAGEMENT IN AGROFORESTRY	2+1
4	AF 524	FRUIT PLANTS, TREES AND SHRUBS FOR AGROFORESTRY	2+1
5	AF 525	ECONOMICS OF AGROFORESTRY SYSTEMS	2+1
6	AF 526	RANGELAND AND PASTURE MANAGEMENT	2+0
<b>FOREST GENETICS RESOURCES</b>			
1	FGR 521	BREEDING METHODS IN FOREST TREES	2+1
2	FGR 522	REPRODUCTIVE BIOLOGY OF FOREST TREES	2+1

3	FGR 523	TREE SEED ORCHARDS	2+1
4	FGR 524	QUANTITATIVE GENETICS IN FOREST TREE BREEDING	3+0
5	FGR 525	FOREST GENETIC DIVERSITY AND CONSERVATION	3+0
<b>FOREST BIOTECHNOLOGY</b>			
1	FB 521	BIOTECHNOLOGY APPROACHES IN FORESTRY	2+1
2	FB 522	PLANT TISSUE CULTURE	2+1
3	FB 523	MOLECULAR BIOLOGY	2+1
4	FB 524	PRINCIPLES AND TECHNIQUES OF GENETIC ENGINEERING	2+1
5	FB 525	ENVIRONMENTAL POLLUTANTS AND BIOTECHNOLOGY	2+0
<b>MEDICINAL AND AROMATIC PLANTS</b>			
1	MAP 521	BASICS OF PLANT PRODUCTION AND BREEDING TECHNIQUES	2+1
2	MAP 522	MEDICINAL CHEMISTRY AND PROCESSING OF MAPS	2+1
3	MAP 523	BIOTECHNOLOGICAL APPROACHES AND AGROTECHNIQUES FOR MAP SPECIES	2+1
4	MAP 524	IMPROVEMENT OF MEDICINAL AND AROMATIC PLANTS	1+1
5	MAP 525	ROLE OF MEDICINAL AND AROMATIC PLANTS IN HEALTH CARE SYSTEMS	2+0
6	MAP 526	STUDY TOUR	0+1
7	MAP 527	PHARMACOGNOSY OF MAPS	1+1
<b>WATERSHED MANAGEMENT</b>			
1	WM 521	WATERSHED CONCEPTS, PROJECT FORMULATION AND PLANNING	2+1
2	WM 522	APPLICATIONS OF REMOTE SENSING AND GIS IN WATERSHED MANAGEMENT	1+1
3	WM 523	WATERSHED SURVEY, MAPPING AND STRUCTURAL ENGINEERING DESIGNS	2+1
4	WM 524	WATERSHED HYDROLOGY AND RESOURCES CONSERVATION	2+1
5	WM 525	PRODUCTION SYSTEM AND BIO-DIVERSITY IN WATERSHED	3+1
6	WM 526	PEOPLE'S PARTICIPATION AND IMPACT ANALYSIS IN WATERSHED MANAGEMENT	2+1
<b>WOOD SCIENCE AND TECHNOLOGY</b>			
1	WST 521	WOOD IDENTIFICATION	0+2
2	WST 522	WOOD CHEMISTRY	1+1
3	WST 523	GENERAL PROPERTIES OF WOOD	1+1
4	WST 524	WOOD SEASONING AND PRESERVATION	2+1
5	WST 525	PAPER & PULP TECHNOLOGY	2+1



6	WST 526	WOOD MODIFICATION AND COMPOSITE WOOD	2+1
<b>NON-CREDIT COURSES</b>			
1	PGS 501	LIBRARY AND INFORMATION SERVICES	0+1
2	PGS 502	TECHNICAL WRITING AND COMMUNICATION SKILLS	0+1
3	PGS 503 (E-COURSE)	INTELLECTUAL PROPERTY AND ITS MANAGEMENT IN AGRICULTURE	1+0
4	PGS 504	BASIC CONCEPTS IN LABORATORY TECHNIQUES	0+1
5	PGS 505 (E-COURSE)	AGRICULTURAL RESEARCH, RESEARCH ETHICS AND RURAL DEVELOPMENT PROGRAMMES	1+0
6	PGS 506 (E-COURSE)	DISASTER MANAGEMENT	1+0

<b>PROGRAM : PH.D. (FORESTRY)</b>			
<b>Sr. No.</b>	<b>Course code</b>	<b>Course</b>	<b>Credit Points</b>
<b>A. CORE COURSES</b>			
1	FOR 601	QUANTITATIVE SILVICULTURE	2+1
2	FOR 602	ADVANCES IN TREE IMPROVEMENT	2+1
3	FOR 603	ADVANCES IN WOOD AND NON-WOOD FOREST PRODUCTS	3+0
4	FOR 604	ADVANCES IN ECONOMIC ANALYSIS IN FORESTRY	2+0
5	FOR 605	AGROFORESTRY SYSTEMS AND MANAGEMENT	1+1
6	FOR 606	FORESTRY INTERVENTIONS FOR ENVIRONMENT AMELIORATION	1+1
<b>B. SUPPORTING COURSES</b>			
1	FOR 611	OPERATIONAL RESEARCH IN FOREST MANAGEMENT	1+1
2	FOR 612	LAND USE PLANNING AND WATERSHED MANAGEMENT	2+0
3	FOR 613	FOREST ECOLOGICAL MODELING	1+1
4	FOR 614	ADVANCES IN FOREST BIOMETRICS	1+1
5	FOR 615	CLIMATE CHANGE AND FORESTRY	2+0
6	FOR 616	INFORMATION TECHNOLOGY IN FORESTRY	1+1
<b>C. SPECIALIZATION COURSES</b>			
<b>AGROFORESTRY</b>			
1	AF 621	ADVANCES IN AGROFORESTRY RESEARCH AND MANAGEMENT	2+0
2	AF 622	PRODUCTIVITY OF AGROFORESTRY SYSTEMS	2+1
3	AF 623	LAND USE PLANNING AND WATERSHED MANAGEMENT	2+0
4	AF 624	ADVANCED AGROFORESTRY MANAGEMENT ANALYSES	2+1
5	AF 625	ADVANCES IN SOIL AND WATER MANAGEMENT IN AGROFORESTRY	2+1
<b>FOREST GENETIC RESOURCES</b>			
1	FGR 621	ADVANCES IN FOREST GENETICS AND TREE BREEDING	1+1
2	FGR 622	ADVANCES IN QUANTITATIVE FOREST GENETICS	2+1
3	FGR 623	ADVANCES IN FOREST REPRODUCTIVE BIOLOGY	2+1
4	FGR 624	MOLECULAR GENETICS OF FOREST TREES	2+1
5	FGR 625	GENETICS OF FOREST ECOSYSTEMS	2+0
<b>FOREST BIOTECHNOLOGY</b>			
1	FB 621	ADVANCE IN FOREST BIOTECHNOLOGY	2+1
2	FB 622	MOLECULAR GENETICS AND GENE MAPPING IN FOREST TREES	2+1

3	FB 623	INTERMEDIATERY METABOLISMS	2+1
4	FB 624	MOLECULAR BIOCHEMISTRY	2+1
05	FB 625	TREE PHYSIOLOGY AND FOREST PRODUCTIVITY	2+1
06	FB 626	GENETIC ENGINEERING AND BIOINFORMATICS	2+1
<b>MEDICINAL AND AROMATIC PLANTS</b>			
1	MAP 621	APPLICATION OF TRADITIONAL KNOWLEDGE	2+0
2	MAP 622	QUALITY IMPROVEMENT OF MEDICINAL AND AROMATIC PLANTS	2+1
3	MAP 623	POST HARVEST AND PROCESSING OF MEDICINAL AND AROMATIC PLANTS	2+1
4	MAP 624	BIOSYNTHETIC ANALYSIS OF SECONDARY METABOLITES	3+0
5	MAP 625	PROCESSING AND VALUE ADDITION IN MAP	2+1