



**UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOTE**  
**Office of the Dean [Post Graduate Studies], Udyanagiri, Bagalkot-587104.**

No. Dean (PGS)/ 313 /2023-24

Date.04.01.2023

**NOTIFICATION**

The following courses are offered for PG Programmes for the different Departments of UHS, Bagalkot for the I Semester of 2023-24 (01-1-2024 to 21-5-2024). All the concerned PG students are directed to note the schedule of courses in the respective departments

**01. KITTUR RANI CHENNAMMA COLLEGE OF HORTICULTURE, ARABHAVI**

Course No.	Course Title	Credit Hours	Name of the Teacher/s
<b>DEPARTMENT OF ENTOMOLOGY</b>			
M.Sc.			
ENT 501*	Insect Morphology	2+1	Dr. A. M. Nadaf
ENT 502*	Insect Anatomy and Physiology	2+1	Dr. A. M. Nadaf
ENT 510*	Pests of Horticultural and Plantation Crops	2+1	Dr. Renuka B. H
ENT 516	Apiculture	2+1	Dr. Renuka B. H
<b>DEPARTMENT OF FLORICULTURE AND LANDSCAPING</b>			
M.Sc.			
FLS 502*	Breeding of Ornamental Plants	2+1	Mr.Naveen Puttaswamy
FLS 503	Commercial Production of Cut Flowers	2+1	Dr.(Smt) B. C. Patil
FLS 504*	Commercial Production of Loose Flowers	2+1	Mr. Basappa Kamble
FLS 505*	Ornamental Gardening and Landscaping	2+1	Dr.R.T. Patil
<b>DEPARTMENT OF FRUIT SCIENCE</b>			
FSC 501*	Tropical Fruit Production	2+1	Dr. Anil I Sabarad
FSC 503*	Propagation and Nursery Management of Fruit Crops	2+1	Dr.Yallesh Kumar H S
FSC 504*	Breeding of Fruit Crops	2+1	Dr.Nataraja.K.H
FSC 506	Canopy Management in Fruit Crops	1+1	Dr.Anil I Sabarad
<b>DEPARTMENT OF BIOTECHNOLOGY AND CROP IMPROVEMENT</b>			
M.Sc.			
GPB 510	Seed Production and Certification	1+1	Dr. Dileepkumar Mastuthi
MBB 502*	Fundamentals of Molecular Biology	3+0	Dr. Mahantesha Naika B N
MBB 503*	Molecular Cell Biology	3+0	Dr.Mahantesha Naika B N
MBB 519	Principles of Genetics	2+1	Dr.Chaitra Kulkarni
CPH 501	Principles of Plant Physiology – II Metabolic Processes and Growth Regulation	2+1	Dr. Mohana Kumara P
<b>DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS</b>			
M.Sc.			
PSM 501*	Production of Plantation Crops	2+1	Dr. Shashidhar M. Dodamani
PSM 504*	Breeding of plantation and spice crops	2+1	Dr. Shashidhar M. Dodamani
PSM 503*	Production of Medicinal and Aromatic Crops	2+1	Dr. J. S. Hiremath
PSM 505	Breeding of medicinal and aromatic crops	1+1	Dr. J. S. Hiremath

<b>DEPARTMENT OF POSTHARVEST MANAGEMENT</b>			
M.Sc.			
PHM 501*	Postharvest Management of Horticultural Produce	2+1	Dr. Manjula Karadiguddi
PHM 502*	Postharvest Physiology and Biochemistry of Perishables	2+1	Dr. Netravati
PHM 503	Packaging and Storage of Fresh and Processed Horticultural Produce	2+1	Dr. Kirankumar Gorbal
PHM 504*	Food Additives in Horticultural Products	1+1	Dr. Kirankumar Gorbal
<b>DEPARTMENT OF PLANT PATHOLOGY</b>			
PAT 501*	Mycology	2+1	Mr. Prashantha A
PAT 502*	Plant Virology	1+1	Dr. Sumangala K
PAT 504*	Plant Nematology	1+1	Dr. Sumangala K
PAT 511	Chemicals and Botanicals in Plant Disease Management	1+1	Dr. Sumangala K
PAT 515*	Diseases of Field and Medicinal Crops	1+1	Mr. Prashantha A
<b>DEPARTMENT OF VEGETABLE SCIENCE</b>			
VSC 501*	Production of Cool Season Vegetable Crops	2+1	Dr. Vilas D.Gasti
VSC 503*	Growth and Development of Vegetable Crops	2+1	Dr. Vilas D.Gasti
VSC 504*	Principles of Vegetable Breeding	2+1	Dr. Vijayakumar Rathod
VSC 508	Seed Production of Vegetable Crops	2+1	Mr. Chandrakant S Kamble
<b>COMPULSORY SUPPORTING COURSES</b>			
BCM 501	Basic Biochemistry	2+1	Dr. Mahantesha Naika B N
<b>NON-CREDIT COMPULSORY COURSES</b>			
PGS-501	Library and Information Services	0+1	Mr.Manjunath B Hadimani
PGS-502	Technical writing and communication skills	0+1	Dr. Vandana V
PGS 503	Intellectual Property and its Management in Agriculture	1+0	Dr. Sachinkumar Nandimath

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**COLLEGE OF HORTICULTURE, BAGALKOT**

<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Name of the Teacher/s</b>
<b>DEPARTMENT OF ENTOMOLOGY</b>			
<b>M.Sc.</b>			
ENT 501*	Insect Morphology	2+1	Dr.Satyanarayana C
ENT 502*	Insect Anatomy and Physiology	2+1	Dr.Venkateshalu
ENT 510*	Pests of Horticultural and Plantation Crops	2+1	Dr. Venkateshalu
ENT 516	Apiculture	2+1	Dr. J. B. Gopali
<b>Ph. D</b>			
ENT 602	Insect Physiology and Nutrition	2+1	Dr. Venkateshalu
ENT 605*	Bio-inputs for Pest Management	2+1	Dr. Ramanagouda S H
<b>DEPARTMENT OF FLORICULTURE AND LANDSCAPING</b>			
<b>M.Sc.</b>			
FLS 502*	Breeding of Ornamental Plants	2+1	Dr. Mukund Shiragur
FLS 504*	Commercial Production of Loose Flowers	2+1	Mr. A.M. Shirol
FLS 505*	Ornamental Gardening & Landscaping	2+1	Mrs.Ansu Bai Hosagoudar
FLS 510*	Protected Cultivation of Flower Crops	2+1	Dr. Sateesh R. Patil
<b>Ph. D</b>			
FLS 601*	Crop Regulation in Ornamental Crops	2+1	Dr. Basavarajappa, H.R.
FLS 602*	Post Harvest Biology of Floricultural Crops	2+1	Dr. Balaji S. Kulkarni
FLS 609	Recent Developments in Protected Cultivation of Floricultural Crops	2+1	Dr. Sateesh R. Patil
<b>DEPARTMENT OF FRUIT SCIENCE</b>			
<b>M.Sc.</b>			
FSC 501*	Tropical Fruit Production	2+1	Dr. S.N. Patil
FSC 502*	Sub-Tropical & Temperate Fruit Production	2+1	Mr. Basavaraj Padashetti
FSC 503*	Propagation & Nursery Management of Fruit Crops	2+1	Dr.Sateesh Pattepur
<b>Ph. D</b>			
FSC 602*	Modern Trends in Fruit Production	3+0	Dr. S.N. Patil
FSC 616	Advances in Mango and Citrus Culture	1+1	Dr.Anand G. N.
FSC 617	Advances in Viticulture	1+1	Dr.Sateesh Pattepur
<b>DEPARTMENT OF CROP IMPROVEMENT AND BIOTECHNOLOGY</b>			
<b>M.Sc.</b>			
GPB-501*	Principles of Genetics	2+1	Dr. Sarvamangala Cholin
GPB-502*	Principles of plant breeding	2+1	Dr. Satish D
GPB-505	Principles of cytogenetics	2+1	Dr. Rekha Chittapur
GPB-506*	Molecular breeding & bioinformatics	2+1	Dr. D. A. Peerajade
MBB-501	Principles of Biotechnology	3+0	Dr.Sandhyarani
MBB-502*	Fundamentals of Molecular Biology	3+0	Dr.S.R.Mulla
MBB-504*	Techniques in Molecular Biology -I	0+3	Dr.S.R.Mulla & Dr.D.A.Peerajade
MBB-509	Plant Tissue Culture	2+1	Dr. Prabhuling G.
MBB-514	Nano-Biotechnology	2+1	Dr. Anitha R. Ghandhe
CPH-501	Principles of plant physiology-II: Metabolic processes and Growth regulation.	2+1	Dr. Mukesh Chavan & Dr. Mallikarjun Awati
SST-501	Seed Production principles & techniques in vegetable crops	2+1	Dr. Shantappa.T & Dr.B.B.Patil

<b>Ph. D</b>			
GPB-601*	Advances in plant breeding system	3+0	Dr. Rekha Chittapur
GPB-605*	Genomics in plant breeding	3+0	Dr. SarvamangalaCholin
GPB-604	Plant Genetic Resources, Conservation & Utilization	2+0	Dr. D. A. Peerajade
GPB-608	Breeding designer crops	1+1	Dr. MallikarjunAwati& Dr. Satish D.
MBB-601*	Plant molecular biology	3+0	Dr. S.R.Mulla
MBB-602*	Plant genome engineering	3+0	Dr. Prabhuling G.
<b>DEPARTMENT OF PLANT PATHOLOGY</b>			
<b>M.Sc.</b>			
PAT 501*	Mycology	2+1	Dr. Basavarajappa M. P
PAT 502*	Plant Virology	1+1	Dr. Noorulla Haveri
PAT 504*	Plant Nematology	1+1	Dr. Noorulla Haveri
PAT 505*	Principles of Plant Pathology	2+1	Dr.Manjunath Hubballi
PAT 509	Disease Resistance in Plants	2+0	Dr.Manjunath Hubballi
<b>Ph.D.</b>			
PAT 601	Advances in Mycology	2+1	Dr. Basavarajappa M P
PAT 602	Advances in Virology	2+1	Dr. Noorulla Haveri
<b>DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS</b>			
<b>M.Sc.</b>			
PSM 501*	Production of Plantation Crops	2+1	Dr. Vijayakumar B. Narayanapur
PSM 502*	Production of Spice Crops	2+1	Dr. Vishwanath Y. C
PSM 503*	Production of Medicinal and Aromatic Crops	2+1	Dr. Vishwanath Y. C
PSM 504*	Breeding of Plantation and Spice Crops	2+1	Dr. Vijayakumar B. Narayanapur
PSM 514	Bio-Technology of spices, plantation, medicinal and aromatic crops	1+1	Dr.Sandhyarani Nishani
<b>Ph. D.</b>			
PSM 601*	Advances in Production of Plantation and Spice Crops	3+0	Dr.Y.C.Vishwanath
PSM 602*	Advances in Production of Medicinal and Aromatic Crops	3+0	Dr.J.S.Hiremath
PSM 603	Recent breeding approaches in plantation, spices, medicinal and aromatic crops	3+0	Dr. V. B. Narayanapur
<b>DEPARTMENT OF POSTHARVEST MANAGEMENT</b>			
<b>M.Sc.</b>			
PHM 501*	Postharvest Management of Horticultural Produce	2+1	Dr. Viresh M. Hiremath
PHM 502*	Postharvest Physiology and Biochemistry of perishables	2+1	Dr.Md. Jameel Jhalegar
PHM 504*	Food Additives in Horticultural Products	1+1	Dr. Deepa Teradal
PHM 505*	Principles and Methods of Fruit and Vegetable Preservation	2+1	Dr. Bhuvaneshwari G.
<b>DEPARTMENT OF VEGETABLE SCIENCE</b>			
<b>M. Sc.</b>			
VSC 502*	Production of Warm Season Vegetable crops	2+1	Dr.Raveendra Jawadagi
VSC 504*	Principles of Vegetable Breeding	2+1	Dr. Namita Raut
VSC 506	Breeding of Cross Pollinated Vegetable Crops	2+1	Shri.Yashavantakumar K.
VSC 509	Production of Underutilized Vegetable Crops	2+1	Shri. H. P. Hadimani

<b>Ph.D.</b>			
VSC 604	Seed Certification, Processing and Storage of Vegetable Seeds	2+1	Dr. Pallavi H. M. Dr. Bapurayagouda Patil
VSC 605	Breeding for Special Traits in Vegetables Crops	2+0	Dr. Shashikant Evoor
VSC 610	Advances in Cucurbitaceous Vegetables	1+1	Dr. Shashikant Evoor
<b>DEPARTMENT OF NATURAL RESOURCE MANAGEMENT</b>			
<b>M.Sc.</b>			
AGR 502	'Crop growth and yield analysis'	1+1	Dr. I. B. Biradar Dr. Sanjeevreddi G Reddi
AMB 506	Food microbiology	2+1	Dr. E. Rajashekara
<b>Ph.D.</b>			
AMB-601	Advances in fermentation technology	1+1	Dr. E. Rajashekara
<b>DEPARTMENT OF SOIL SCIENCE</b>			
SAC 501*	Analytical Techniques in Soil and Plant Analysis	1+1	Dr. Sayeed Almas Mulla
SAC 504*	Soil Chemistry	2+1	Dr. Prasanna S M
SAC 506*	Soil Fertility and Nutrient Management	2+1	Dr. Sayeed Almas Mulla
SAC 507	Management of Problematic Soils and Waters	1+1	Dr. Yogeeshappa
<b>NON-CREDIT COMPULSORY COURSES</b>			
PGS-507	Study Tour	0+1	Dr. Anita R Ghandhe

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**COLLEGE OF HORTICULTURE, BENGALURU**

Course No.	Course Title	Credit hours	Course Teacher
<b>DEPARTMENT OF ENTOMOLOGY</b>			
<b>M.Sc.</b>			
ENT 501*	Insect Morphology	2+1	Dr. Gangadhar Narabenchi
ENT 502*	Insect anatomy and physiology	2+1	Dr. Harischandra Naik R
ENT 504	Insect Ecology	2+1	Dr. J. Jayappa
ENT 516	Apiculture	2+1	Dr. J. Jayappa Dr.B.Doddabasappa
ENT 520	Plant Quarantine, Bio-safety and Bio-security	2+0	Dr. Harischandra Naik R, and Dr.Gangadhar Narabenchi
<b>DEPARTMENT OF FLORICULTURE AND LANDSCAPING</b>			
<b>M.Sc.</b>			
FLS 502*	Breeding of Ornamentals	2+1	Dr. Pavankumar P
FLS 504*	Commercial Production of Loose Flowers	2+1	Dr. Vijayalaxmi Padaganur
FLS 505*	Ornamental Gardening and Landscaping	2+1	Dr. Seetharamu, G.K.
FLS 510*	Protected Cultivation of Flower Crops	2+1	Dr. Yateendra H. A.
<b>DEPARTMENT OF FRUIT SCIENCE</b>			
<b>M.Sc.</b>			
FSC 501*	Tropical Fruits	2+1	Dr. G.S.K. Swamy
FSC 502*	Sub-tropical and Temperate Fruit Production	2+1	Dr. H. S. Srikanth
FSC 504*	Breeding of Fruit Crops	2+1	Dr. Venkat Rao
FSC 508	Nutrition of Fruit Crops	2+1	Dr. M. Shivanna
<b>DEPARTMENT OF BIOTECHNOLOGY AND CROP IMPROVEMENT</b>			
<b>M.Sc.</b>			
GPB 501*	Principles of Genetics	2+1	Mrs.. Lakshmiddevamma T N
GPB 502*	Principles of Plant Breeding	2+1	Dr. Shivapriya M,
GPB 505	Principles of Cytogenetics	2+1	Dr. Lakshmiddevamma T N
MBB 501	Principles of Biotechnology	3+0	Dr. G.K. Halesh
MBB 502*	Fundamentals of Molecular Biology	3+0	Dr. G.K. Halesh
MBB 504*	Techniques in molecular biology-I	0+3	Dr. Raghavendra G
MBB 513	Immunology and Molecular Diagnostics	3+0	Dr. Raghavendra G
<b>Ph.D.</b>			
GPB 603	Molecular Cytogenetics for Crop Improvement	2+0	Dr. Shivapriya M,
GPB 608	Breeding Designer Crops	2+0	Dr.Lakshmiddevamma T N,
MBB 601*	Plant Molecular Biology	3+0	Dr. Raghavendra G
MBB 602*	Plant Genome Engineering	3+0	Dr. G.K. Halesh
MBB 603	Plant Omics and Molecular Breeding	3+0	Dr. Raghavendra G
MBB 606	RNA Biology	1+0	Dr. Jayashree Ugalat
MBB 607	Plant Hormones and Signaling	2+0	Dr. Mohan Kumar S
<b>DEPARTMENT OF PLANT PATHOLOGY</b>			
<b>M.Sc.</b>			
PAT 501*	Mycology	2+1	Dr. Anjaneya Reddy, B.
PAT 502*	Plant Virology	1+1	Dr. Shankrappa, K. S.
PAT 503*	Plant Pathogenic Prokaryotes	1+1	Dr. Sangeetha, C.G.
PAT 504*	Plant Nematology	1+1	Dr. Ambika D. S
PAT 505*	Principles of Plant Pathology	2+1	Dr. Rajeshwari R.

<b>DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS</b>			
<b>M.Sc.</b>			
PSM 501*	Production of Plantation Crops	2+1	Dr. Harisha, B. S.
PSM 502*	Production of Spice Crops	2+1	Dr. B.N. Maruti Prasad
PSM 503*	Production of Medicinal and Aromatic Crops	2+1	Dr. B.N. Maruti Prasad & Dr. Harisha B S
PSM 504*	Breeding of Plantation and Spice Crops	2+1	Dr. Shivapriya M
<b>DEPARTMENT OF POSTHARVEST MANAGEMENT</b>			
<b>M.Sc.</b>			
PHM 501*	Postharvest Management of Horticultural Produce	2+1	Dr. G. J. Suresha
PHM 502*	Postharvest Physiology and Biochemistry of perishables	2+1	Dr. H. C. Krishna
PHM 504*	Food Additives in Horticultural Products	1+1	Dr. K. R. Vasudeva
PHM 505*	Principles and Methods of Fruit and Vegetable Preservation	2+1	Dr. Sadananda G. K.,
<b>Ph.D.</b>			
PHM 601*	Ripening and Senescence of Fruits and Vegetables	1+1	Dr. Jagadeesh, S. L.
PHM 602*	Recent Trends in Food Preservation	1+1	Dr. G. J. Suresha
PHM 604*	Supply Chain Management of Perishables	2+0	Dr. K.R. Vasudeva
PHM 612	Advances in Laboratory Techniques in post Harvest Technology	1+2	Dr. Sadananda, G. K.
<b>DEPARTMENT OF SOIL SCIENCE</b>			
<b>M.Sc.</b>			
SAC 501	Analytical Techniques in Soil and Plant Analysis	1+1	Dr. M. Shivanna
SAC 502*	Soil Mineralogy, Genesis, Surveying and Classification	2+1	Dr. Dananjaya, B. N.
SAC 504*	Soil Chemistry	2+1	Dr. Dananjaya, B. N.
SAC 507	Management of Problematic Soils and Waters	1+1	Dr. Raghunath Reddy
<b>DEPARTMENT OF VEGETABLE SCIENCE</b>			
<b>M.Sc.</b>			
VSC 501*	Production of Cool Season Vegetable Crops	2+1	Dr. Meenakshi Sood
VSC 502*	Production of Warm Season Vegetable Crops	2+1	Dr. C. N. Hanchinamani
VSC 504*	Principles of Vegetable Breeding	2+1	Dr. Padmanabha, K.
<b>SUPPORTING COURSES</b>			
AMB 501	Microbiological Techniques	0+2	Dr. Manjunath R.
AMB 502	Soil Microbiology	2+1	Dr. T. H. Shankarappa
AMB 506	Food Microbiology	2+1	Dr. T. H. Shankarappa
AGR 502	Crop Growth and Yield analysis	1+1	Mrs. Premalatha, B. R.
HST 501	Statistical Methods for Applied Sciences	1+1	Dr. Hanumanthaiah

<b>COMPULSORY SUPPORTING COURSES</b>			
<b>M.Sc.</b>			
BCM 501	Basic Biochemistry	2+1	Dr. Jayashree Ugalat,
<b>NON CREDIT COMPULSORY COURSES</b>			
PGS 502	Technical Writing and Communications Skills	0+1	Dr. Shwetha B S,
PGS 503	Intellectual Property and Its Management in Agriculture	2+1	Dr. Arun M

\* Compulsory Courses.

**Ravindra Mulge**

DEAN PGS

University of Horticultural Sciences  
Udyangiri, Bagalkot-587104

**Copy submitted to:** The Director of Education, UHS, Bagalkot.

**CWC:**

1. The Dean, KRCCH Arabhavi/ COH Bagalkot/ COH, Bengaluru.
2. The Heads of all Departments KRCCH Arabhavi/ COH Bagalkot/ COH, Bengaluru.
3. The Personal Secretary to Hon'ble Vice Chancellor, UHS, Bagalkot.