



UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOTE
Office of the Dean [Post Graduate Studies], Udyanagiri, Bagalkot-587104.
No.Dean (PGS)/ 435 /2022-23 Date.17.01.2022

NOTIFICATION

The following courses are offered for PG Programmes for the different Departments of UHS, Bagalkot for the I Semester of 2022-23 (02-1-2023 to 24-5-2023). 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
DEPARTMENT OF ENTOMOLOGY			
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	Smt. Renuka B. H
ENT 516	Apiculture	2+1	Dr Vinaykumar M. M.
DEPARTMENT OF FLORICULTURE AND LANDSCAPING			
M.Sc.			
FLS 502*	Breeding of Ornamental Plants	2+1	Dr. Mukund Shiragur
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
DEPARTMENT OF FRUIT SCIENCE			
FSC 501*	Tropical Fruit Production	2+1	Dr. Anil I Sabarad
FSC 503*	Propagation and Nursery Management of Fruit Crops	2+1	Teacher's from UHSB
FSC 504*	Breeding of Fruit Crops	2+1	Teacher's from UHSB
FSC 506	Canopy Management in Fruit Crops	1+1	Mr. Nataraj K H
DEPARTMENT OF BIOTECHNOLOGY AND CROP IMPROVEMENT			
M.Sc.			
GPB 510	Seed Production and Certification	1+1	Dr. Dileepkumar Masuthi
MBB 501	Principles of Biotechnology	3+0	Dr. Sandhyarani Nishani
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 509	Plant Tissue Culture	2+1	Dr. Sandhyarani Nishani
CPH 501	Principles of Plant Physiology – II Metabolic Processes and Growth Regulation	2+1	Dr. Mohana Kumara P
DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS			
M.Sc.			
PSM 501*	Production of Plantation Crops	2+1	Dr. Shashidhar M. Dodamani
PSM 502*	Production of Spice Crops	2+1	Dr. Shashidhar M. Dodamani
PSM 503*	Production of Medicinal and Aromatic Crops	2+1	Dr. J. S. Hiremath
PSM 517	Extraction, Storage and Quality Analysis of Essential Oils	1+1	Dr. J. S. Hiremath

DEPARTMENT OF POSTHARVEST MANAGEMENT			
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. Manjula Karadiguddi
PHM 503	Packaging and Storage of Fresh and Processed Horticultural Produce	2+1	Dr. Kirankumar Gorbhal
PHM 504*	Food Additives in Horticultural Products	1+1	Dr. Kirankumar Gorbhal
DEPARTMENT OF PLANT PATHOLOGY			
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 & Mr. Prashantha A
PAT 511	Chemicals and Botanicals in Plant Disease Management	1+1	Dr. Sumangala K
PAT 515*	Diseases of Field and Medicinal Crops	2+1	Mr. Prashantha A
DEPARTMENT OF VEGETABLE SCIENCE			
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
COMPULSORY SUPPORTING COURSES			
BCM 501	Basic Biochemistry	2+1	Dr. Sandhyarani Nishani
NON-CREDIT COMPULSORY COURSES			
PGS 502	Technical Writing and Communications skills	0+1	Dr. Vandana V
PGS 503	Intellectual Property And Its Management In Agriculture	1+0	Dr. M.G.Kerutagi & Dr. Sachinkumar Nandimath

COLLEGE OF HORTICULTURE, BAGALKOT

Course No.	Course Title	Credit Hours	Name of the Teacher/s
DEPARTMENT OF ENTOMOLOGY			
M.Sc.			
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
Ph. D			
ENT 602	Insect Physiology and Nutrition	2+1	Dr. Venkateshalu
ENT 605*	Bio-inputs for Pest Management	2+1	Dr. Ramanagouda S H
DEPARTMENT OF FLORICULTURE AND LANDSCAPING			
M.Sc.			
FLS 502*	Breeding of Ornamental Plants	2+1	Dr. Pavankumar, P.
FLS 504*	Commercial Production of Loose Flowers	2+1	Mr. A.M. Shirol
FLS 505*	Ornamental Gardening & Landscaping	2+1	Mrs. Ansubai Hosagoudar
FLS 510*	Protected Cultivation of Flower Crops	2+1	Dr. Sateesh R. Patil
Ph. D			
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 604	Biotechnological Approaches in Floricultural Crops	2+1	Dr. Basavarajappa, H.R.
FLS 609	Recent Developments in Protected Cultivation of Floricultural Crops	2+1	Dr. Sateesh R. Patil
DEPARTMENT OF FRUIT SCIENCE			
M.Sc.			
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	Mr. Arunkumar Kamble
Ph. D			
FSC 601*	Innovative Approaches in Fruit Breeding	3+0	Dr. Kulapati Hipparagi
FSC 602*	Modern Trends in Fruit Production	3+0	Dr. S.N. Patil
DEPARTMENT OF CROP IMPROVEMENT AND BIOTECHNOLOGY			
M.Sc.			
GPB-501*	Principles of genetics	2+1	Dr. D. A. Peerajade
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. Sarvamangala Cholin
MBB-504*	Techniques in Molecular Biology -I	0+3	Dr. D. A. Peerajade
MBB-502*	Fundamentals of Molecular Biology	3+0	Dr. Wajeed Mulla
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. Sangamesh Gollagi
CPH-504	Physiology of woody plants	2+0	Dr. Mallikarjun Awati
SST-501	Seed Production principles & techniques in vegetable crops	2+1	Dr. Shivayogi Ryavalad

Ph. D			
GPB-601*	Advances in plant breeding system	3+0	Dr. Satish D.
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. Prabhuling G.
MBB-601*	Plant molecular biology	3+0	Dr. WajeedMulla
MBB-602*	Plant genome engineering	3+0	Dr. Prabhuling G.
DEPARTMENT OF PLANT PATHOLOGY			
M.Sc.			
PAT 501*	Mycology	2+1	Dr. Thammaiah N
PAT 502*	Plant Virology	1+1	Dr. Noorulla Haveri
PAT 504*	Plant Nematology	1+1	Dr. Noorulla Haveri
PAT 515*	Diseases of Field and Medicinal Crops	2+1	Dr. Basavarajappa M P
PAT 511	Chemicals and Botanicals in Plant Disease Management	1+1	Dr. M S Lokesh
Ph.D.			
PAT 601	Advances in Mycology	2+1	Dr. Basavarajappa M P
PAT 602	Advances in Virology	2+1	Dr. Noorulla Haveri
DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS			
M.Sc.			
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
Ph. D.			
PSM 601*	Advances in Production of Plantation and Spice Crops	3+0	Dr. Vijayakumar B. Narayanapur
PSM 602*	Advances in Production of Medicinal and Aromatic Crops	3+0	Dr. Vishwanath Y. C
PSM 607	Organic Spice and Plantation Crops Production	2+1	Dr. N. K. Hegde, and Dr. V. B. Narayanapur
DEPARTMENT OF POSTHARVEST MANAGEMENT			
M.Sc.			
PHM-501*	Postharvest Management of Horticultural Produce	2+1	Dr. Viresh M. Hiremath
PHM-505*	Principles and Methods of Fruit and Vegetable Preservation	2+1	Dr. Bhuvaneshwari G. Dr. Deepa Teradal
PHM-508	Quality Assurance, Safety and Sensory Evaluation of Fresh and Processed Horticultural Produce	2+1	Dr. Bhuvaneshwari G.
PHM-509	Functional Foods from Horticultural Produce	2+0	Dr. Deepa Teradal
DEPARTMENT OF VEGETABLE SCIENCE			
M. Sc.			
VSC 501*	Production of Cool Season Vegetable crops	2+1	Shri. H. P. Hadimani
VSC 504*	Principles of Vegetable Breeding	2+1	Dr. Namita Raut
VSC 507	Protected Cultivation of Vegetable Crops	1+1	Shri.Yashavantakumar K.
VSC 509	Production of Underutilized Vegetable Crops	2+1	Shri. H. P. Hadimani Dr.Raveendra Jawadagi

Ph.D.			
VSC 601*	Recent Trends in Vegetable Production	3+0	Dr.Raveendra Jawadagi
VSC 604	Seed Certification, Processing and Storage of Vegetable Seeds	2+1	Dr. Shivayogi Ryavalad Dr.Raveendra Jawadagi
VSC 605	Breeding for Special Traits in Vegetables Crops	2+0	Dr. Shashikant Evoor
DEPARTMENT OF NATURAL RESOURCE MANAGEMENT			
M.Sc.			
AGR 502	‘Crop growth and yield analysis’	1+1	Dr. I. B. Biradar
AMB 502	Soil microbiology	2+1	Dr. E. Rajashekara
AMB 506	Food microbiology	2+1	Dr. E. Rajashekara
AMB 503	Industrial microbiology	1+1	Dr. E. Rajashekara
Ph.D.			
AGR 601	Current Trends in Agronomy	3+0	Dr. I. B. Biradar
AMB-601	Advances in fermentation technology	1+1	Dr. E. Rajashekara
DEPARTMENT OF SOIL SCIENCE			
SAC 501	Analytical Techiques in Soil and Plant Analysis	1+1	Dr Prasanna S M
NON-CREDIT COMPULSORY COURSES			
PGS-501	Library and Information Services	0+1	Dr. Girija Endigeri,
PGS-502	Technical writing and communication skills	0+1	Dr. Nagaraj Holeyannavar
PGS 505	Agricultural Research, Research Ethics and Rural Development Programmes	1+0	Dr.S.M.Prasanna Dr.Sarvamangala Chollin Ms.Vijaya Hosamani

COLLEGE OF HORTICULTURE, BENGALURU

Course No.	Course Title	Credit hours	Course Teacher
DEPARTMENT OF ENTOMOLOGY			
M.Sc.			
ENT 501*	Insect morphology	2+1	Dr. Gangadhar Narabenchi
ENT 502*	Insect anatomy and physiology	2+1	Dr. Harischandra Naik R
ENT 503*	Insect Taxonomy	1+2	Dr. Gangadhar Narabenchi
ENT 504	Insect Ecology	2+1	Dr. J. Jayappa
ENT 520	Plant Quarantine, Bio-safety and Bio-security	2+0	Dr. Harischandra Naik R, and Dr. J. Jayappa
DEPARTMENT OF FLORICULTURE AND LANDSCAPING			
M.Sc.			
FLS 502*	Breeding of Ornamentals	2+1	Dr. Amreen Taj
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.
DEPARTMENT OF FRUIT SCIENCE			
M.Sc.			
FSC 501*	Tropical Fruits	2+1	Dr. G.S.K. Swamy
FSC 502*	Sub-tropical and Temperate Fruit Production	2+1	Dr. Venkat Rao
FSC 504*	Breeding of Fruit Crops	2+1	Dr. H. S. Srikanth
FSC 508	Nutrition of Fruit Crops	2+1	Dr. M. Shivanna
DEPARTMENT OF BIOTECHNOLOGY AND CROP IMPROVEMENT			
M.Sc.			
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 and Dr. B. Fakrudin
MBB 501	Principles of Biotechnology	3+0	Dr. G.K. Halesh
MBB 502*	Fundamentals of Molecular Biology	3+0	Dr. B. Fakrudin
MBB 504*	Techniques in molecular biology-I	0+3	Dr. Raghavendra G
MBB 513	Immunology and Molecular Diagnostics	3+0	Dr. Raghavendra G
Ph.D.			
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. B. Fakrudin
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
DEPARTMENT OF PLANT PATHOLOGY			
M.Sc.			
PAT 501*	Mycology	2+1	Dr. Sadanand K. Mushriff
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. Kiran Kumar K C.
PAT 505*	Principles of Plant Pathology	2+1	Dr. Rajeshwari R. and Dr. V. Devappa

DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS			
M.Sc.			
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. Pushpa T. N.
PSM 504*	Breeding of Plantation and Spice Crops	2+1	Dr. Shivapriya M
DEPARTMENT OF POSTHARVEST MANAGEMENT			
M.Sc.			
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.,
Ph.D.			
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.
DEPARTMENT OF SOIL SCIENCE			
M.Sc.			
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. Ashok S. Alur
SAC 504*	Soil Chemistry	2+1	Dr. Dananjaya, B. N.
SAC 507	Management of Problematic Soils and Waters	1+1	Dr. Raghunath Reddy
DEPARTMENT OF VEGETABLE SCIENCE			
M.Sc.			
VSC 501*	Production of Cool Season Vegetable Crops	2+1	Dr. Meenakshi Sood
VSC 502*	Production of Warm Season Vegetable Crops	2+1	Dr. Padmanabha, K.
VSC 504*	Principles of Vegetable Breeding	2+1	Dr. C. N. Hanchinamani
VSC 506	Breeding of Cross Pollinated Vegetable Crops	2+1	Dr. Padmanabha, K.
SUPPORTING COURSES			
AMB 501	Microbiological Techniques	0+2	Dr. Manjunath R.
AMB 503	Industrial Microbiology	1+1	Dr. Manjunath R.
AMB 505	Biology and Production of Mycorrhizae	2+1	Dr. T. H. Shankarappa
AGR 501	Agrometeorology and Crop Weather Forecasting	2+1	Mrs. Premalatha, B. R.
AMB 601	Advances in Fermentation Technology	1+1	Dr. T. H. Shankarappa
HST 501	Statistical Methods for Applied Sciences	1+1	Dr. Hanumanthaiah

COMPULSORY SUPPORTING COURSES			
M.Sc.			
BCM 501	Basic Biochemistry	2+1	Dr. Jayashree Ugalat,
NON CREDIT COMPULSORY COURSES			
PGS 502	Technical Writing and Communications Skills	0+1	Dr. B. S. Lakshman Reddy,
PGS 503	Intellectual Property and Its Management in Agriculture	1+0	Dr. Gali Basavaraj,
PGS 504	Basic Concepts in Laboratory Techniques	0+1	Dr. Ambika, D. S. and Dr. Jayashree Ugalat

* 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.