

**KERALA AGRICULTURAL UNIVERSITY**  
**COLLEGE OF AGRICULTURE, VELLAYANI**  
 Academic cell

No. Academic Cell/2022/PG

Dated:25-02-2023

**REVISED LIST OF PG & Ph.D. COURSES AND COURSE TEACHERS FOR THE FIRST SEMESTER OF ACADEMIC YEAR 2022-23**  
**FOR 2022 ADMISSION**

Sl No	Catalogue No.	Title of the course	Credit	Department	Name of course Teachers
1.	Agron. 501	Modern Concepts in Crop Production	3+0	Agronomy	Dr. Susha V. S., Dr. Sharu S. R.
2.	Agron. 502	Principles and Practices of Soil Fertility and Nutrient Management	2+1	Agronomy	Dr. Shimi G .J. , Dr. Shalini Pillai P.
3.	Agron. 504	Principles and Practices of Water Management	2+1	Agronomy	Dr. Sheeja K. Raj, Dr. Ameena M.
4.	Agron. 513	Principles and Practices of Organic Farming	2+1	Agronomy	Dr. Nishan M. A., Dr. Shimi G. J.
5.	Agron. 601	Current Trends in Agronomy	3+0	Agronomy	Dr. Bindhu J. S. , Dr. Susha V. S., Dr. Usha C. Thomas
6.	Agron. 606	Recent Trends in Weed Management	2+0	Agronomy	Dr. Ameena M, Dr. Sheeja K Raj
7.	Agron. 608	Research and Publication Ethics	2+0	Agronomy	Dr. Shalini Pillai P., Dr. Ameena M.
8.	AEC 501	Microeconomic Theory and Applications	2+1	Agricultural Economics	Dr.Thasnimol.F
9.	AEC 502	Macroeconomics and Policy	2+0	Agricultural Economics	Dr. AswathyVijayan
10.	AEC 509	Research Methodology for Social Sciences	1+1	Agricultural Economics	Dr. Durga A.R
11.	AEC 513	Natural Resource and Environmental Economics	1+1	Agricultural Economics	Sri.T Paul Lazarus
12.	FN 501	Macro and Micro Nutrients in Human Nutrition	3+0	Community Science	Dr. Krishnaja U & , Dr. Anitha Chandran
13.	FN 502	Public Health and Nutrition	2+1	Community Science	Dr. Anitha Chandran &, Dr. Suma Divakar

14.	FN 511	Food Science	2+1	Community Science	Dr. Krishnaja U, Dr. Suma Divakar
15.	FN 514	Nutrition through Life Cycle	3+0	Community Science	Dr. Anitha Chandran, Dr. Beela. G.K
16.	FN 601	Macronutrient Metabolism	3+0	Community Science	Dr. Krishnaja U
17.	FN 602	Micronutrient Metabolism	2+0	Community Science	Dr. Anitha Chandran
18.	FN 606	Maternal and Child Nutrition	2+0	Community Science	Dr. Suma Divakar & Dr. Beela. G.K
19.	ENT 501	Insect Morphology	2+1	Entomology	Dr. Amritha. V. S Dr. Thania Sara Varghese
20.	ENT 502	Insect anatomy, physiology and nutrition	2+1	Entomology	Dr. Narayana R
21.	ENT 503	Insect Taxonomy	2+1	Entomology	Dr. Prathapan K.D
22.	ENT 510	Pests of Horticultural and Plantation crops	2+1	Entomology	Dr. Nithya P. R
23.	ENT 602	Insect Physiology and Nutrition	2+1	Entomology	Dr. M. H. Faizal
24.	ENT 605	Bio-inputs for Pest Management	2+1	Entomology	Dr. Reji Rani O. P
25.	ENT 606	Insect Toxicology and Residues	2+1	Entomology	Dr. Ambily Paul Dr. Nithya P. R
26.	Ext.501	Extension Landscape	2+0	Agri. Extension Education	Dr. Archana R Sathyan, Dr. Sreedaya G. S
27.	Ext 502	Applied Behaviour Change	2+1	Agri. Extension Education	Dr. Smitha K. P. & Dr. Sangeetha K. G
28.	Ext. 503	Organisational Behaviour and Development	2+1	Agri. Extension Education	Dr. Esakkimuthu M, Dr. Gopika Somanath
29.	Ext.504	Research Methodology in Extension	2+1	Agri. Extension Education	Dr. Allan Thomas & Ms. Smija P K
30.	Ext. 508	Managing Extension Organizations	2+1	Agri. Extension Education	Dr. Smitha S, Ms. Smija P K & Dr. Sreedaya G. S
31.	Ext. 601	Policy Engagement and Extension	2+1	Agri. Extension Education	Dr. Sreedaya G. S, Dr. Allan Thomas & Dr. Anilkumar A
32.	Ext. 602	Methodologies for Social and Behavioural Sciences	2+1	Agri. Extension Education	Dr. Allan Thomas & Dr. Anilkumar A
33.	Ext.603	Technology Commercialization and Incubation	2+1	Agri. Extension Education	Dr. Gopika Somanath & Dr. Esakkimuthu M

34.	Ext.605	Risk Management and Climate Change Adaptation	2+1	Agri. Extension Education	Dr. Archana R Sathyan and Dr. Sangeetha K. G
35.	Ext.606	Livelihood Development	1+1	Agri. Extension Education	Dr. Smitha K. P & Dr. Smitha S
36.	FLS 502	Breeding of Flower crops and Ornamental Plants	2+1	Floriculture & Landscaping	Dr Priyakumari I, Dr Rafeekher M, Dr Reshmi CR
37.	FLS 503	Commercial Production of Cut Flowers	2+1	Floriculture & Landscaping	Dr Reshmi CR , Dr Priyakumari I, Dr Rafeekher M
38.	FLS 504	Commercial Production of Loose Flowers	2+1	Floriculture & Landscaping	Dr Rafeekher M, Dr Reshmi CR , Dr Priyakumari I,
39.	FLS 601	Crop Regulation in Ornamental Crops	2+1	Floriculture & Landscaping	Dr Rafeekher M, Dr Reshmi CR , Dr Priyakumari I,
40.	FLS 602	Postharvest Biology of Floricultural Crops	2+1	Floriculture & Landscaping	Dr Reshmi CR , Dr Priyakumari I, Dr Rafeekher M
41.	FSC 501	Tropical Fruit Production	2+1	Fruit Science	Dr. Manju P.R. and Dr. Simi. S
42.	FSC 502	Sub-Tropical and Temperate Fruit Production	2+1	Fruit Science	Dr. Simi. S and Dr. Manju P.R
43.	FSC 503	Propagation and Nursery Management of fruit crops	2+1	Fruit Science	Dr. Simi. S and Dr. Manju P.R.
44.	FSC 601	Innovative Approaches in Fruit Breeding	3+0	Fruit Science	Dr. Simi. S and Dr. Manju P.R
45.	FSC 602	Modern Trends in Fruit Production	3+0	Fruit Science	Dr. Manju P.R. and Dr. Simi. S
46.	GPB -501	Principles of Genetics	2+1	Genetics & Plant Breeding	Dr. Beena Thomas, Ms Adheena Ram A
47.	GPB -502	Principles of Plant Breeding	2+1	Genetics & Plant Breeding	Dr. Lovely B, Ms Ninitha Nath C
48.	GPB -505	Principles of Cytogenetics	2+1	Genetics & Plant Breeding	Dr. Gayathri G, Dr. Lovely B
49.	GPB - 513	Breeding Vegetable Crops	2+1	Genetics & Plant Breeding	Dr. Seeja G
50.	GPB-519	Breeding of Tropical Crops	2+0	Genetics & Plant Breeding	Dr. Beena Thomas, Dr. Gayathri G
51.	GPB -601	Advances in Plant Breeding Systems	3+0	Genetics & Plant Breeding	Dr. Seeja G, Dr. Gayathri G
52.	GPB -604	Plant Genetics Resources, Conservation and Utilization	2+0	Genetics & Plant Breeding	Dr. Beena Thomas, Dr. Gayathri G
53.	GPB -606	Population Genetics	2+0	Genetics & Plant Breeding	Dr. Lovely B

54.	GPB - 609	IPR and Regulatory Mechanism (e-course)	1+0	Genetics & Plant Breeding	Dr. Lovely B
55.	MBB 502	Fundamentals of Molecular Biology	3+0	Molecular Biology & Biotechnology	Dr. Smitha Bhasi
56.	MBB 503	Molecular cell Biology	3+0	Molecular Biology & Biotechnology	Dr. Swapna Alex
57.	MBB 504	Plant tissue culture	2+1	Molecular Biology & Biotechnology	Dr. Sindura K P
58.	MBB 518	Gene Regulation	2+0	Molecular Biology & Biotechnology	Dr. Anuradha T and Dr. K B Soni
59.	MBB 601	Plant Molecular Biology	3+0	Molecular Biology & Biotechnology	Dr. Smitha Bhasi
60.	MBB 602	Plant Genome Engineering	3+0	Molecular Biology & Biotechnology	Dr. K B Soni
61.	MICRO.501	Techniques in Microbiology	0+2	Microbiology	Dr. K. N. Anith , Dr. Soumya V.I.
62.	MICRO.502	Principles of Microbiology	3+1	Microbiology	Dr. Soumya V.I., Dr. Chitra. N & Dr. K. N. Anith
63.	MICRO.503	Microbial Physiology and Metabolism	3+1	Microbiology	Dr. Chitra. N , Dr. Anu Rajan S. , & Dr. K. N. Anith
64.	MICRO.505	Soil Microbiology	1+1	Microbiology	Dr. Anu Rajan S. & Dr. Soumya V.I.
65.	MICRO.601	Improvement in fermentation technology	2+1	Microbiology	Dr. Soumya V.I. ,Dr. Anu Rajan S. & Dr. K. N. Anith
66.	MICRO.602	Microbial physiology and regulation	2+0	Microbiology	Dr. Chitra. N , Dr. Soumya V.I., & Dr. K. N. Anith
67.	MICRO.603	Recent development in soil microbiology	2+0	Microbiology	Dr. Anu Rajan S. , Dr. Chitra. N , & Dr. K. N. Anith
68.	Nema 501	Principles of Nematology	2+1	Nematology	Dr. Nisha. M. S
69.	Nema 503	Structural Organization of Nematodes	2+1	Nematology	Dr.R.Narayana
70.	Nema 505	Nematode Systematics	2+1	Nematology	Dr.R.Narayana
71.	Nema 504	Nematological Techniques	1+2	Nematology	Dr. Nisha. M. S
72.	PGS 502	Technical writing and communication skills	0+1	Agri. Extension Education	Dr. Allan Thomas, Dr. Archana R. Sathyan, Dr. Aparna B
73.	PGS 505	Agricultural Research, Research Ethics and Rural	1+0	Agronomy	Dr. Sheeja K. Raj, Dr. Allan Thomas, Sri. T. Paul Lazarus

		Development Programmes			
74.	PP 501	Principles of Plant Physiology- I Plant water relations and mineral nutrition	2+1	Plant Physiology	Dr.M.M.Viji and Dr.R.V.Manju
75.	PP 503	Plant Developmental Biology: Physiological and Molecular Basis	2+1	Plant Physiology	Dr.Roy Stephen, Dr.R.V.Manju and Dr.Viji.M.M
76.	PP 505	Hormonal Regulation of Plant growth and Development	2+1	Plant Physiology	Dr.Beena.R and Dr.Viji.M.M
77.	PP 507	Photosynthetic processes, Crop Growth and Productivity and concepts of crop modelling	2+1	Plant Physiology	Dr.R.V.Manju and Dr.Beena.R
78.	PP 601	Functional Genomics and genes associated with a few physiological processes	2+0	Plant Physiology	Dr.Viji.M.M and Dr.Roy Stephen
79.	PP 603	Molecular approaches for improving physiological Mechanisms through trait introgression	2+1	Plant Physiology	Dr. Beena R and Dr M.M.Viji
80.	PP 606	Global climate change and crop response	2+0	Plant Physiology	Dr.R.V.Manju and Dr. Beena R.
81.	PSM 501	Production of Plantation Crops	2+1	Plantation, Spices Medicinal & Aromatic Crops	Dr. Sreekala G.S. & Smt. Anisa N.A
82.	PSM 502	Production of Spice Crops	2+1	Plantation, Spices Medicinal & Aromatic Crops	Smt. Anisa N.A. & Dr. Sreekala G.S
83.	PSM 503	Production of Medicinal and Aromatic Crops	2+1	Plantation, Spices Medicinal & Aromatic Crops	Smt. Anisa N.A. & Dr. Sonia N.S
84.	PSM 601	Advances in Production of Plantation and Spice Crops (3+0)	3+0	Plantation, Spices Medicinal & Aromatic Crops	Dr. Sreekala G.S. & Dr. Deepa S. Nair
85.	PSM 602	Advances in Production of Medicinal and Aromatic Crops (3+0)	3+0	Plantation, Spices Medicinal & Aromatic Crops	Dr. Sonia N.S. & Dr. Deepa S. Nair
86.	PSM 607	Organic Spice and Plantation Crops Production (2+1)	2+1	Plantation, Spices Medicinal & Aromatic Crops	Dr. Sonia N.S. & Dr. Sreekala G.S.
87.	PHM 501	Postharvest Management of Horticultural Produce	2 + 1	Postharvest Management	Dr. P.R. GeethaLekshmi & Vinayak V. Deshi, Asst Professor (daily wages)
88.	PHM 505	Principles and Methods of Fruit and Vegetable Preservation	2+1	Postharvest Management	Dr. Mini, C. & Vinayak V. Deshi, Asst Professor (daily wages)
89.	PHM601	Ripening and Senescence of Fruits and Vegetables	1+1	Postharvest Management	Dr. P.R. GeethaLekshmi

90.	PHM604	Supply Chain Management of Perishables	2+0	Postharvest Management	Dr. Mini, C.
91.	Pl.Path 501	Mycology	2+1	Plant Pathology	Smt.Divya,S.; Dr. Susha S.Thara
92.	Pl.Path 502	Virology	2+1	Plant Pathology	Dr.Ayisha,R.; Dr.Krishnapriya,P.J.
93.	Pl.Path 503	Plant Pathogenic Prokaryotes	2+1	Plant Pathology	Dr.Heera,G.; Smt. Sherin A Salam
94.	Pl.Path 506	Techniques in Detection and Diagnosis of Plant Diseases	0+2	Plant Pathology	Dr.Radhika,N.S. ; Smt.Divya,S.; Sri. Safeer,M.
95.	Pl.Path 509	Disease resistance in plants	2+0	Plant Pathology	Smt. Divya,S.; Dr.Ayisha,R.
96.	Pl.Path 601	Advances in Mycology	2+1	Plant Pathology	Dr. Susha S. Thara; Dr.N.V.Radhakrishnan, Dr.Pramod,R.
97.	Pl.Path 602	Advances in Virology	2+1	Plant Pathology	Dr.Radhika,N.S.; Dr.Ayisha,R.; Dr.Krishnapriya,P.J.
98.	Pl.Path 603	Advances in Plant Pathogenic Prokaryotes	2+1	Plant Pathology	Dr.Heera,G.; Dr.Sajeena, ; Dr.Krishnapriya,P.J.
99.	Pl.Path 605	Principles and Procedures of Certification	1+0	Plant Pathology	Dr. Pramod,R.; Dr.N.V.Radhakrishnan
100.	Stat 552	Probability Theory	2+0	Agricultural Statistics	Dr. Pratheesh P Gopinath, and Asst. Professor (Contract)
101.	Stat 551	Mathematics I	3+0	Agricultural Statistics	Dr. Pratheesh P Gopinath, Asst. Professor (Contract)
102.	Stat 573	Statistical Computing	1+1	Agricultural Statistics	Dr. Pratheesh P Gopinath, and Asst. Professor (Daily Wages)
103.	Stat 501	Mathematical Methods for Applied Science	2+0	Agricultural Statistics	Dr. Pratheesh P Gopinath, Asst. Professor (Daily Wages)
104.	Stat 521	Applied Regression Analysis	2+1	Agricultural Statistics	Dr. Pratheesh P Gopinath, Asst. Professor (Daily Wages)
105.	Stat 572	Regression Analysis	1+1	Agricultural Statistics	Dr. Pratheesh P Gopinath, Asst. Professor (Daily Wages)
106.	Stat 553	Statistical Methods	2+1	Agricultural Statistics	Dr. Pratheesh P Gopinath, Asst. Professor (Daily Wages)
107.	Stat 511	Experimental Design	2+1	Agricultural Statistics	Dr. Pratheesh P Gopinath, Asst. Professor (Daily Wages)
108.	MCA 501	Computers – Fundamentals and Programming	2+1	Agricultural Statistics	Smt. Geetha Radhakrishnan & Smt. Susan Thomas
109.	SST 501	Seed Development Biology	1+1	Seed Science &	Ms. Nivedhitha M S, Dr. Beena R, Dr. Jayalekshmi V G

				Technology	
110.	SST 503	Seed Production principles and techniques in field crops	2+1	Seed Science & Technology	Ms. Nivedhitha M S, Dr. Sheeja K Raj
111.	SST 504	Seed production principles and techniques in vegetable crops	2+1	Seed Science & Technology	Ms. Nivedhitha M S, Dr. Sheeja K Raj, Dr. Jayalekshmi V G
112.	Soils 501	Soil Physics	2+1	Soil Science	Dr. Gowri Priya and Dr. Meera A. V.
113.	Soils 502	Soil Fertility and Fertilizer Use	3+1	Soil Science	Dr. Naveen Leno, Dr. Rani B. and Dr. Meera A. V.
114.	Soils 510	Analytical Techniques and Instrumental Methods in Soil and Plant Analysis	0+2	Soil Science	Dr. S. Visveswaran and Dr. Raji Swaroop
115.	Soils 504	Soil Mineralogy, Genesis and Classification	2+1	Soil Science	Dr. Kiran Karthik Raj and Dr. Biju Joseph
116.	Soils 602	Modern Concepts in Soil Fertility	2+0	Soil Science	Dr. Rani B. and Dr. Gowri Priya
117.	Soils 603	Physical Chemistry of Soil	2+0	Soil Science	Dr. Mini V and Dr. Rekha V R Nair
118.	Soils 605	Biochemistry of Soil Organic Matter	2+0	Soil Science	Dr. B Aparna and Dr. Naveen Leno
119.	VSC 501	Production of cool season vegetable crops	2+1	Vegetable Science	Dr. S. Sarada, Smt. Rakhi R.
120.	VSC 502	Production of warm season vegetable crops	2+1	Vegetable Science	Dr. Nisha S.K. , Smt. Shruthy O.N.
121.	VSC 509	Production of underutilized vegetable crops	2+1	Vegetable Science	Smt. Shruthy O.N., Dr. Nisha S.K.
122.	VSC 601	Recent trends in vegetable production	3+0	Vegetable Science	Dr. S. Sarada, Dr. Nisha S.K.
123.	VSC 604	Seed certification, processing and storage of vegetable crops	2+1	Vegetable Science	Dr. Nisha S.K. , Dr. S. Sarada

*(Signature)*  
25/2/23  
DEAN OF FACULTY

DEAN OF FACULTY  
Faculty of Agriculture  
Kerala Agricultural University  
Thiruvananthapuram - 695 522

To

All PG Heads of Departments/Course Teachers/ All PG Students concerned /Dean's Table/ Academic Section/Cash Section/  
Noticeboard