

## COURSES OFFERED AT ICAR-IIHR

<b>Academic Session</b>	<b>2014-15</b>	<b>2015-16</b>	<b>Total</b>
<b>Major (Horticulture &amp; PHT)</b>	<b>11</b>	<b>14</b>	<b>25</b>
<b>Minor</b>	<b>10</b>	<b>24</b>	<b>34</b>
<b>Compulsory</b>	<b>04</b>	<b>05</b>	<b>09</b>
<b>Seminar</b>	<b>05</b>	<b>18</b>	<b>23</b>
<b>Total</b>	<b>30</b>	<b>61</b>	<b>91</b>

## COURSE OFFERED AT ICAR-IIHR

**ACADEMIC SESSION 2014-15**

### I TRIMESTER

Sl. No.	Title	Credits	Course Leader
1	FSC 602: National horticulture problems and fruit production	4+0	Dr.Reju M. Kurian
2	HORT 601: Export oriented horticulture	3+1	Dr.D.V.Sudhakar Rao
3	VSC 601: Hi-tech vegetable farming	3+1	Dr.S.S. Hebbar
3	PGS 503: Intellectual property and its management in agriculture	1+0	Dr.S. Ganeshan
4	PGS 504: Basic statistical methods in agriculture	2+1	Dr. R. Venugopalan
5	PGS 505: Agricultural research, research ethics and rural development programmes	1+0	Dr.B. Balakrishna
6	FSC 691: Seminar	1+0	Dr.M.R.Dinesh
7	FLA 691: Seminar	1+0	Dr.T.Manjunath Rao
8	PP 602: Responses of plants to abiotic stresses	2+1	Dr. R.M.Bhatt

### II TRIMESTER

Sl. No.	Title	Credits	Course Leader
1	FSC 611 BREEDING OF FRUIT CROPS	4+1	Dr.M.Sankaran
2	VSC 611 BREEDING OF CROSS-POLLINATED VEGETABLE CROPS	3+1	Dr.Veera Gowda,R
3	FLA 611 COMERCIAL FLORICULTURE	3+1	Dr.Sumangala,H.P
4	FLA 621 ADVANCED BREEDING OF ORNAMENTAL CROPS	3+1	Dr.C.As swath
5	FSC 691 SEMINAR	1+0	DR.M.R.DINESH
6	VSC 691 SEMINAR	1+0	DR.A.T.SADASHIVA
7	FLA 691 SEMINAR	1+0	DR.T.MANJUNATHA RAO
8	GP 643 CONCEPTS IN HETERO-SIS BREEDING	2+1	DR.M.V.DHANAJAYA
9	PL PATH 607 PLANT HEALTH DIAGNOSTICS AND MANAGEMENT	2+2	DR.SRIRAM,S
10	PP 503 GLOBAL CLIMATE CHANGE AND AGRICULTURE	2+1	DR.LAXMAN, R.H
11	PL PATH 604 MOLECULAR BASIS OF HOST PATHOGEN INTERACTION	2+1	DR.M.KRISHNA REDDY

### III TRIMESTER

Sl.No.	Title	Course Leader
1	HORT 621/FLA 673 GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS (3+2)	Dr. V. Ravindra
2	VSC 622 BIOTECHNOLOGY FOR VEGETABLE CROPS IMPROVEMENT (3+1)	Dr. E.S. Rao
3	VSC 621 BREEDING OF SELF-POLLINATED VEGETABLE CROPS (3+1)	Dr. K. Madhavi Reddy
4	FLA 622 VALUE ADDITION IN ORNAMENTAL CROPS (1+1)	Dr.Sangama
5	PGS 506 HISTORY OF AGRICULTURE (1+0)	Dr. M.R. Hegde
6	GP 604 INNOVATIVE APPROACHES IN PLANT BREEDING (2+1)	Dr. Tejaswini
7	GP 605 Breeding for stress resistance (3+0)	Dr. H. Sukhanya
8	PL PATH 513 DISEASE RESISTANCE IN PLANT (2+0)	Dr.S.Sriram
9	PI PATH 604 Molecular basis of host pathogen interaction (2+1)	Dr.M.Krishna Reddy
10	MBB 703 ADVANCES IN MOLECULAR BREEDING AND GENOMICS (3+0)	Dr.Vageesh Babu
11	PP 603 Principles of Pl. Physiology II (3+0)	Dr. K.S. Shivasankara

**ACADEMIC SESSION 2015-16****I TRIMESTER**

<b>SL NO</b>	<b>TITLE</b>	<b>COURSE LEADER</b>
1	FSC602:NATIONAL HORTICULTURAL PROBLEMS AND CURRENT ISSUES IN FRUIT PRODUCTION (4+0)	Dr.Reju M. Kurian
2	HORT601/PHT601/FLA670: EXPORT ORIENTED HORTICULTURE (3+1	Dr. D.V.S. Rao
3	VSC601:HI-TECH VEGETABLE FARMING (3+1)	Dr. S.S. Hebbar
4	PHT 603: ADVANCES IN FOOD PROCESSING AND QUALITY MANAGEMENT (3+1	Dr. I.N.D.Gowda
5	PGS501 LIBRARY AND INFORMATION SERVICES (0+1)	Mr. Prasad, Shankar
6	PGS502 TECHNICAL WRITING AND COMMUNICATION SKILLS (1+1):	Dr. Venkattakumar,R
7	PGS505:AGRICULTURAL RESEARCH, RESEARCH ETHICS AND RURAL DEVELOPMENT PROGRAMMES (1+0)	Dr. B. Balakrishna
8	FSC 691: (SEMINAR)	Dr. M. Sankaran
9	VSC 691: (SEMINAR)	Dr. A.T.Sadashiva
10	GP 612: DIVERSITY ANALYSIS	Dr. T. Vasantha Kumar
11	PP 602: RESPONSES OF PLANTS TO ABIOTIC STRESSES	Dr. R.M Bhatt
12	PP 601: TECHNIQUES IN PLANT PHYSIOLOGY-I	Dr. R.H.Laxman
13	PP 691: SEMINAR	Dr. K.S. Shivasankara
14	PL PATH 508. DISEASES OF FRUITS, PLANTATION AND ORNAMENTAL CROPS	Dr. A.K.Saxena
15	PLPATH 691: SEMINAR	Dr. M. Krishna Reddy
16	SSAC 510 MANAGEMENT OF PROBLEM SOILS AND WATERS	Dr.L.R. Varalaskhmi
17	MBB 504: PLANT TISSUE CULTURE AND GENETIC TRANSFORMATION	Dr. P.Nandeesha
18	MBB 501: PRINCIPLES OF BIOTECHNOLOGY	Dr. Lakshman Reddy D C
19	GP 691: SEMINAR	Dr. T. Vasantha Kumar

## II TRIMESTER

SL NO	TITLE	COURSE LEADER
1	FSC 611 BREEDING OF FRUIT CROPS (4+1)	DR. M.SANKARAN
2	VSC 611 BREEDING OF CROSS-POLLINATED VEGETABLE CROPS (3+1)	DR. R.VEERA GOWDA
3	FLA 611 COMERCIAL FLORICULTURE (3+1)	DR. H.P. SUMANGALA
4	FLA 621 ADVANCED BREEDING OF ORNAMENTAL CROPS (3+)	DR. C. ASWATH
5	PHT 612: POST HARVEST MANAGEMENT OF HORTICULTURAL CROPS (3+1)	DR. D.V. SUDHAKAR RAO
6	PHT 614: PRINCIPLES AND PRACTICES OF FOOD HANDLING AND PACKAGING (2+1)	DR. C.K. NARAYANA
7	FSC 691 SEMINAR (1+0)	DR. J. SATISHA
8	VSC 691 SEMINAR (1+0)	DR. A.T. SADASHIVA
9	FLA 691 SEMINAR (1+0)	DR. C. ASWATH
10	PHT 691 SEMINAR (1+0)	DR.H.S. OBEROI
11	PI PATH SEMINAR (1+0)	DR.M. KRISHNA REDDY
12	SSAC 691 SEMINAR (1+0)	DR. AN.G. MURTHY
13	PP 691 SEMINAR (1+0)	DR.K.S. SHIVASANKARA
14	GP 691 SEMINAR (1+0)	DR. A. REKHA
15	MBB 691 SEMINAR (1+0)	DR. VAGEESH BABU
16	PL PATH 504 PRINCIPLES OF PLANT PATHOLOGY (3+0)	DR. S. SRIRAM
17	MBB 601 MOLECULAR BREEDING (3+0)	DR. D. LAKSHMANA REDDY
18	MBB 511 BIOTECHNOLOGY LAB-II (0+3)	DR. USHA RANI
19	MB 507 FOOD MICRO-BIOLOGY(3+2)	DR. K. RANJITHA
20	AG504 PRINCIPLE AND PRACTICES OF WATER MANAGEMENT (3+1)	Dr. ANIL NAIR
21	PP504 HARMONAL REGULATIONS OF PLANT GROWTH AND DEVELOPMENT (3+1)	Dr. K.K. UPRETI

### III TRIMESTER

SL NO	COURSE NO & TITLE	NAME OF THE COURSE LEADER
1	GP 620 APPLIED CYTO-GENETICS (3+1)	Dr. A. Rekha
2	GP 640 ADVANCES IN PLANT BREEDING (3+0)	Dr. Hima Bindu
3	GP 612 DIVERSITY ANALYSIS (2+1)	Dr. Ramya
4	MBB 703 ADVANCES IN MOLECULAR BREEDING AND GENOMICS (3+0)	Dr. Vageshbabu S. Hanur
5	MBB 504 PLANT TISSUE CULTURE AND GENETIC TRANSFORMATION (3+0)	Dr. P. Nandeeshha
6	PP 502 PLANT DEVELOPMENTAL BIOLOGY (3+1)	Dr. R. H. Laxman
7	PLPATH 604 MOLECULAR BASIS OF HOST PATHOGEN INTERACTION (2+1)	Dr. M. Krishna Reddy
8	PLPATH 513 DISEASE RESISTANCE IN PLANT (2+0)	Dr. S. Sriram
9	AS 602 ADVANCED STATISTICAL GENETICS (1+1)	Dr. R. Venugopalan
10	SSAC 502/ AG 502 SOIL FERTILITY AND NUTRIENT MANAGEMENT (3+1)	Dr. H. B. Raghupathi
11	BIO 504 TECHNIQUES IN BIOCHEMISTRY (2+2)	Dr. Keshava Rao
12	HORT 621 GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS (3+2)	Dr. V. Ravindra
13	VSC 622 BIOTECHNOLOGY FOR VEGETABLE CROPS IMPROVEMENT (3+1)	Dr. E.S. Rao
14	VSC 621 BREEDING OF SELF-POLLINATED VEGETABLE CROPS (3+1)	Dr. K. Madhavi Reddy
15	FLA 622 VALUE ADDITION IN ORNAMENTAL CROPS (1+1)	Dr. Sangama
16	VSC 691 SEMINAR (1+0)	Dr. A.T. Sadashiva
17	FSC 691 SEMINAR (1+0)	Dr. B.N. S. Murthy
18	FLA 691 SEMINAR (1+0)	Dr. C. Aswath
19	PHT 691 SEMINAR (1+0)	Dr. H. S. Oberoi
20	PGS 506 HISTORY OF AGRICULTURE (1+0)	Dr. A. Ganesha Murthy
21	PGS 503: INTELLECTUAL PROPERTY AND ITS MANAGEMENT IN AGRICULTURE (1+0)	Dr. P. E. Rajasekharan