

B.Tech. (Hort.) – 2011 Syllabus

SEMESTER WISE DISTRIBUTION OF COURSES

I Year I Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department	Page No.
1.	FSC 106**	Primer on Horticulture	2+1	Horticulture	1
2.	FSC 107**	Nursery Technology of Horticultural Crops	2+1		6
3.	SAC 101*	Principles of Analytical Chemistry	1+1	Soil Science & Agricultural Chemistry	11
4.	MAT 111*	Applied Mathematics	1+1	Physical Sciences and Information Technology	14
5.	COM 111*	Fundamentals of Information Technology	1+1	Physical Sciences and Information Technology	18
6.	AGR 102*	Fundamentals of Agricultural Meteorology	1+1	Agricultural meteorology	23
7.	ENG 101*	English for Effective Communication	0+1	English	27
8.	PED 101*	Physical Education	0+1	Physical Education	29
9.	NSS101* / NCC 101*	NSS/NCC	0+1	NSS/NCC	32/36
Total			8+9=17		

I Year II Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department	Page No.
1.	FSC 108**	Commercial tropical fruit culture	2+1	Horticulture	39
2.	VSC 106**	Commercial tropical vegetable culture	2+1		47
3.	FLG 106	Landscaping and Turf management	2+1		54
4.	CRP 101*	Crop Physiology	2+1	Crop Physiology	59
5.	AGM 101*	Agricultural Microbiology	2+1	Agricultural Microbiology	63
6.	AEC 101*	Principles of Agricultural Economics	1+1	Agricultural Economics	68
7.	PBG 161	Principles of Genetics and methods of plant breeding in horticultural crops	2+1	Plant breeding and Genetics	72
Total			13+7=20		

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II Year III Semester

Sl.No	Course No.	Course Title	Credit Hours	Department	Page No.
1.	VSC 206**	Commercial temperate vegetable culture	2+1	Horticulture	77
2.	SAC 201*	Fundamentals of Soil Science	2+1	Soil Science & Agricultural Chemistry	85
3.	AEN 201*	Fundamentals of Entomology	2+1	Agricultural Entomology	90
4.	PAT 201*	Fundamentals of Plant Pathology	2+1	Plant Pathology	95
5.	SST 211**	Principles of Seed Production and Quality control in Horticultural crops	1+1	Seed Science and Technology	101
6.	AMP 201*	Livestock and Poultry Production Management	2+1	Veterinary and Animal Science	105
7.	FMP 211*	Farm Power and Machinery	1+1	Farm Machinery	110
8.	SWE 211*	Fundamentals of Soil and Water Conservation Engineering	2+1	Agricultural Engineering	113
9.	AGM 211**	Applied Microbiology	1+1	Agricultural Microbiology	117
		Total	15+9=24		

II Year IV Semester

Sl.No	Course No.	Course Title	Credit Hours	Department	Page No.
1.	FSC 206**	Commercial Sub Tropical and Temperate Fruit Culture	2+1	Horticulture	121
2.	PSM 206**	Commercial Production of Spices and Plantation Crops	2+1		131
3.	BTH 201	Industrial visit I (Fruit, Vegetable and Floriculture Industry)	0+1		139
4.	ABT 201*	Principles of Biotechnology	1+1	Biotechnology	141
5.	SST 212**	Seed production technology of horticultural crops	1+1	Seed Science and technology	144
6.	ARM 201*	Fundamentals of Agribusiness Management	1+1	Agriculture and Rural Management	149
7.	STA 201*	Applied Statistics	1+1	Physical Sciences and Information Technology	150
8.	SWE 212	Surveying and Engineering drawing	1+1	Agricultural Engineering	155
9.	ERG 211*	Renewable Energy	1+0	Agricultural Engineering	158
10.	FOR 211*	Forest Resource Management	1+1	Forestry	162
11.	AGR 211**	Weed and Water Management in Horticultural crops	1+1	Agronomy	166
		Total	12+10=22		

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III Year V Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department	Page No.
1.	FLG 306	Commercial Floriculture	2+1	Horticulture	176
2.	FLG 307	Protected and Precision Horticulture (Team teaching – Hort. & Remote sensing)	2+1		178
3.	FLG 308	Hi Tech Crop Production	0+1		182
4.	BTH 303	Industrial visit II (Spices, Plantation and Pharma Industry)	0+1		185
5.	PSM 306**	Commercial Production of Medicinal and Aromatic crops	2+1		187
6.	ABT 301*	Applied Plant Biotechnology	1+1	Biotechnology	193
7.	ENS 311**	Waste Management in Horticulture Industry	1+1	Environmental Sciences	196
8.	AEN 311**	Pest Management in Horticulture Production Systems	2+1	Agricultural Entomology	200
9.	AEC 301*	Production Economics and Farm Management	1+1	Agricultural Economics	204
10.	FSN 311**	Principles of processing and value addition of horticultural produces	2+1	Home Science	208
Total			13+10=23		

III Year VI Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department	Page No.
1.	FSC 306	Establishment and management of Horticultural Estates	2+1	Horticulture	212
2.	BTH 305	Interiorscaping and therapeutic Horticulture	2+1		216
3.	BTH 306	Post Harvest Technology of Fruits, Vegetables and Spices	2+1		221
4.	EXP 301@	Experiential learning	0+5		-
5.	NST 301*	Fundamentals and applications of Nanotechnology	1+0	Nanotechnology	226
6.	ENG 301*	Soft skills for career development	0+1	Language	228
7.	AEC 302*	Agricultural Marketing, Trade and Prices	1+1	Agricultural economics	233
8.	HNM 311	Nematode Management in Horticultural crops	1+1	Nematology	238
9.	SWE 311	Greenhouse construction and maintenance	1+1	Agricultural Engineering	242
Total			10+12=22		

@ EXP 301 List Enclosed

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IV Year VII Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department	Page No.
1.	BTH 401	Horticultural Industrial Work Experience (HIWE) (60 + 10 + 10 + 10 days)	0+6	Horticulture	245
2.	BTH 402	Project Work (Dissertation)	0+4		247
3.	BTH 403	Industry and Institutional Educational Tour (All India Tour)	0+1		248
Total			0+11=11		

IV Year VIII Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department	Page No.
1.	PSM 406	Post harvest technology of flowers, plantation, medicinal and aromatic crops	2+1	Horticulture Plant Pathology	249
2.	EXP 401@	Experiential learning	0 +5		-
3.	PAT 401*	Diseases of horticultural crops and their management	2+1		254
4.	TAM 401* /ENG 401*	,yf;fpa';fspy; ntshz;ika[k; mwptpay; jkpH; gadhf;fKk; (or) Development education	0+1	Tamil/English	258/260
5.	SAC 401*	Nutrient management and fertilizer technology	2+1	Soil Science and Agricultural Chemistry	262
6.	AEC 401*	Agricultural finance, banking and cooperation	1+1	Agricultural Economics	267
7.	FSN 451	Food safety and quality control for horticultural products	1+1	Home Science	272
8.	ARM 402	Entrepreneurship Development	1+1	Agriculture and Rural Management	276
Total			9+12=21		

@ EXP 401 List Enclosed