

Criterion - 1
Curricular Aspects
NAAC-SSR (2nd Cycle)



ETERNAL UNIVERSITY

BARU SAHIB, SIRMOUR-173101
HIMACHAL PRADESH

1.1.1(4)

**Curricula have Relevance to the
National Developmental Needs**



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List of the Courses have Relevance to the National Developmental Needs

S.No.	Course Name	Course Code	Programme Name	Component have Relevance to the National Developmental Needs
1	Production Technology of Cool Season Vegetable Crops	HORT-501	M. Sc. Horticulture	The course content includes various cultural practices for the production of cool season vegetable crops and their seed production.
2	Subtropical and Temperate Fruit Production	HORT-505	M. Sc. Horticulture	The course content includes identification of commercial varieties of national importance; production technology of various subtropical and temperate fruit crops; post harvest management and their export potential.
3	Production Technology of Warm Season Vegetable Crops	HORT-502	M. Sc. Horticulture	The course content includes various cultural practices for the production of warm season vegetable crops and their seed production.
4	Growth and Development of Horticultural Crops	HORT-503	M. Sc. Horticulture	This course deals with breaking and induction of dormancy, induction of parthenocarpy in various horticultural crops which increases their market value; application of various growth regulators to improve quality of horticultural crops.
5	Post-Harvest Technology for Horticultural Crops	HORT-510	M. Sc. Horticulture	The course content include Post-Harvest Technologies like grading, packaging, storage, processing and value addition of Horticultural Crops having relevance to the national needs.
6	Solar Photovoltaic technology	MSRE 512	M.Sc. Renewal Energy	The course content of Solar photovoltaic technology include various solar photovoltaic based technologies, their development and applications in various fields have relevance to the national needs.

7	Personality Psychology	PSYM 522	M.Sc. Psychology	Personality Psychology is crucial for national development, impacting workforce optimization, education, healthcare planning, social policies, security strategies, cultural integration, and leadership development. By utilizing insights from this field, nations can tackle development challenges and foster environments conducive to growth, prosperity, and well-being for all citizens.
8	Forensic Psychology	PSYM 623	M.Sc. Psychology	Forensic Psychology contributes to national development by ensuring fair legal proceedings, supporting victims, improving law enforcement, managing risk, facilitating rehabilitation, guiding policy decisions, and promoting community safety. Its role enhances national security, fosters social justice, and contributes to community well-being.
9	Agricultural Finance and Cooperation	Econ-201	B. Sc. (Hons.) Agriculture	This course fosters a deep understanding in the field of agricultural finance at national level
10	Environmental Studies and Disaster Management	Env-201	B. Sc. (Hons.) Agriculture	The course include topics related to the environmental resources, their safety along with natural disaster, their impact and management which has great importance at local and regional level.
11	Agricultural Marketing Trade & Prices	Econ-202	B. Sc. (Hons.) Agriculture	This course fosters a deep understandingmarket structure, marketing functions and functionaries, marketing channels, price spread and efficiency, market regulation and pricing.
12	Introductory Agro-Meteorology & Climate Change	Agron-204	B. Sc. (Hons.) Agriculture	Agro-Meteorology & Climate Change course impart knowledge about scope of agricultural meteorology, artificial rainmaking, modifications of crop microclimate which has relevance to the local and regional needs.

13	Practical Crop Production – I (Kharif crops)	Agron-302	B. Sc. (Hons.) Agriculture	The course is about different Kharif crops and various crop production techniques associated with them for their improvement which has requirement at local and regional level.
14	Intellectual Property Rights	IPR-301	B. Sc. (Hons.) Agriculture	This course impart knowledge about protecting innovations and ensuring equitable access to agricultural advancements to promote sustainable development and food security worldwide.
15	Diseases of Field and Horticultural Crops and their Management-II	Pl. Path-303	B. Sc. (Hons.) Agriculture	This course content lies in enhancing agricultural productivity and sustainability by effectively controlling crop diseases to ensure food security and economic stability which has graet importance at national level.
16	Post-harvest Management and Value Addition of Fruits and Vegetables	Hort-302	B. Sc. (Hons.) Agriculture	The course content include Post-Harvest Technologies like grading, packaging, storage, processing and value addition of Fruits and vegetable crops having relavance to the national needs.
17	Agribusiness Management	ELCT-321	B. Sc. (Hons.) Agriculture	Agribusiness management helps to improve the productivity and efficiency of agricultural operations, which ultimately leads to increased profitability for farmers and agribusiness firms. Further, important for the economical growth of the country.
18	Hi-tech. Horticulture	ELCT-222	B. Sc. (Hons.) Agriculture	Hi-tech horticulture enables farmers to reduce their environmental impact by using sustainable practices such as vertical farming, hydroponics, and aquaponics. These practices can reduce water usage, reduce pesticide usage, and minimize the use of arable land is important at local, national and global level.

19	Weed Management	ELCT-223	B. Sc. (Hons.) Agriculture	The course content of weed management is vital to agriculture and very important at regional, national and global level, because weeds decrease yields, increase production costs, interfere with harvest, and lower product quality. Weeds also impede irrigation water-flow, interfere with pesticide application, and harbour disease organisms.
20	Agricultural Journalism	ELCT-224	B. Sc. (Hons.) Agriculture	Agricultural journalism is an important course of journalism that focuses on the farming industry, food production, and agriculture-related issues. It plays a crucial role in informing and educating the general public about the latest developments in agriculture, farming, and food production which is vital at local, national level and globally.
21	Applied Statistics	MATH331	B.Sc.(Hons.) Mathematics	Studying Applied Statistics aligns with national developmental needs by equipping individuals with the ability to analyze and interpret data from various sectors, including healthcare, agriculture, and industry. This knowledge is crucial for evidence-based policymaking, resource allocation, and the implementation of effective strategies to address societal challenges. The course empowers students to contribute to the country's progress through data-driven decision-making and problem-solving.
22	Banking and Insurance	BC-305	B.Com.(Hons.)	This course allows the student to learn the purpose of financial statements to maintain organization accounting records.
23	Business Communication & Professional Ethics	ENG- 112	B.Com.(Hons.)	This course allows the student to learn the significance of ethics and CSR in the day to working of an organization and learn the basic principles of good governance in a multiorganization.

24	Solar Energy	PGDRE 102	PG Diploma in Renewable Energy (PGDRE)	This course provides an application based approach to use solar energy for day to day use at National level.
25	Biomass Energy	PGDRE 103	PG Diploma in Renewable Energy (PGDRE)	This course provides an application based approach to use biomass as an alternative source of energy for day to day use.
26	Wind and Hydro Energy	PGDRE 104	PG Diploma in Renewable Energy (PGDRE)	This course provides an application based approach to use wind and hydro energy as an alternative source of energy.
27	Financial Institutions and Markets	ECON 503	M.Sc. Economics	This course offers women to develop entrepreneurship skill in order to build a better Nation.
28	Women Entrepreneurship Development	BBA-305	BBA	This course offers women to develop entrepreneurship skill that lead to develop national economy and better Nation.
29	Disaster Management	PGS-506	M.Sc. Plant Pathology	The course content include the knowledge of intellectual property rights (IPR) related protection systems, their significance and use of IPR as a tool for wealth and value creation in a knowledge-based economy.
30	Biodiversity and Conservation of Fruit	FSC 503	M.Sc. Horticulture (Fruit Science)	This course focus on preserving genetic diversity and promoting sustainable practices to ensure the long-term viability and productivity of fruit crops at local, national and global level.
31	Intellectual Property and Its Management	PGS 503	M.Sc. Ag. (Agronomy)	This course ensure safeguarding agricultural innovations and promoting equitable access to technological advancements to boost national agricultural productivity and sustainability.
32	Biotechnology for Crop Improvement	GP 509	M.Sc. Genetics & Plant Breeding	The course content include the knowledge and practical skills to use biotechnological tools in crop improvement.

33	Disaster Management	PGS-506	M.Sc. Genetics & Plant Breeding; M.Sc. Ag. (Agronomy)	The national needs of a "Disaster Management course" encompass enhancing resilience and recovery of agricultural systems to ensure food security and sustainable crop production in the face of climate change and natural disasters.
34	Food Chemistry & Nutrition	FST 501	M. Sc. Food Science and Technology	The food chemistry & nutrition is an important subject of national importance as well as globally, since it allows food producers to improve the sensory characteristics, nutritional value, and overall quality of food products.
35	Technology of Fruits and Vegetable Processing	FST 512	M. Sc. Food Science and Technology	The course technology of fruits and vegetable processing impart knowledge on processing of fruits and vegetables which is very important to produce products for direct consumption and as food ingredients and having relevance to the national needs.
36	Food Quality Systems & Management	FST 506	M. Sc. Food Science and Technology	The course food quality systems & management include national importance and has relevance to the national needs.
37	Technology of Milk and Milk Products	FST 516	M. Sc. Food Science and Technology	The course technology of milk and milk products include national importance and has relevance to the national needs.
38	Environmental Education	EDU- 441	B.Ed.	Encompasses learning about environmental issues, sustainability, and conservation, fostering awareness and action for ecological preservation and sustainable development.
39	Life Skills Education	EDU- 442	B.Ed.	Focuses on teaching essential skills for personal development and well-being, including communication, decision-making, problem-solving, and interpersonal skills, enhancing individuals' abilities to navigate various life situations effectively.

40	Health and Physical Education	EDU- 444	B.Ed.	Emphasizes promoting physical fitness, healthy lifestyles, and overall well-being through exercise, nutrition education, and health promotion activities.
41	Industrial Microbiology	MICRO-221	B.Sc. Microbiology	The syllabus teaches industrial microbiology, including microbe sourcing, fermentation, and downstream processing. It equips students to meet local, national, and global biotech needs, preparing them for roles in food, healthcare, and other industries.
42	Food and Dairy Microbiology	MICRO-224	B.Sc. Microbiology	The syllabus covers food microbiology, including spoilage, preservation methods, fermented foods, and food-borne diseases. Through practical experiments, students gain hands-on experience in food safety, preparing them for roles in ensuring food quality and safety locally and globally.
43	Biofertilizer Technology	BOT-542	M.Sc. Botany	This course offers knowledge of eco-friendly alternatives to chemical fertilizers, crucial for national food security, revolutionization of agriculture and environmental sustainability.
44	Bioinformatics & Biostatics	BOT-534	M.Sc. Botany	This course equips students with the tools to analyse biological data, driving research breakthroughs crucial for addressing national and global challenges in plant genetics, agriculture practices and biodiversity conservation efforts.
45	Pesticides & Fertilizers	CHEM-542	M.Sc. Chemistry	This course is designed to lay emphasis on adapting greener pesticides in agricultural practices like use of plants like neem water extract for plant protections, use of Neem extract for pest control, natural organic manures such as Farmyard manure, compost and vermicompost, methods of applications of organic manures to increase soil fertility.

46	Biodiversity and Conservation	BOT EC 543	M.Sc. Botany	This course safeguards national ecosystems and endemic species, essential for maintaining ecological balance, supporting sustainable development, and preserving natural heritage.
47	Plant Resource Utilization	BOT-515	M.Sc. Botany	This course optimizes botanical resources for economic growth, food security, medicine, and industry, benefiting both national prosperity and global resource management initiatives.
48	Life Skill & Mental Health	PSYD 604	Ph.D Psychology	Life skills and mental health are vital for national development, enhancing productivity, health, education, cohesion, crime prevention, preparedness, and sustainability. Prioritizing these areas cultivates resilient societies that contribute to global well-being.
49	Ethics in Research & Publication	PSYD 607	Ph.D Psychology	Ethics in research and publication are crucial for national development, fostering integrity, trust, human rights, global collaboration, innovation, policy formulation, cultural respect, and diversity. Prioritizing ethics creates an environment for research excellence, societal progress, and sustainable development.
50	Policies and Programme for Elderly	PSYH 304	Ph.D. Psychology	Policies and programs for the elderly are crucial for national development, covering healthcare, welfare, long-term care, economic security, age-friendly infrastructure, caregiver support, and social participation. Prioritizing older adults' needs fosters inclusive societies, promoting well-being and dignity, and contributing to sustainable development.

51	Programming in C and Numerical Methods	MATH324	B.Sc.(H) Mathematics	Studying Programming in C and Numerical Methods aligns with national developmental needs by equipping individuals with the ability to create innovative technological solutions. This knowledge is crucial for driving the country's digital transformation, improving efficiency in various sectors, and fostering technological advancements that support economic growth and social progress. The course empowers students to contribute to the nation's technological capabilities and problem-solving capacities, ultimately contributing to the country's overall development.
52	Operations Research	MATH568	M.Sc. Mathematics	Studying Operations Research aligns with national developmental needs by equipping individuals with the ability to optimize decision-making and resource allocation across various sectors within the country. This knowledge is crucial for improving the efficiency and effectiveness of national-level initiatives, such as infrastructure planning, healthcare resource management, and policy implementation. The course empowers students to contribute to the country's progress through data-driven,
53	Stochastic Processes	MATH576	M.Sc. Mathematics	Studying Stochastic Processes aligns with national developmental needs by providing individuals with the analytical tools to model and manage complex, uncertain systems at the national level. This knowledge is crucial for optimizing decision-making, resource allocation, and risk management in areas such as infrastructure planning, public policy, and national security. The course equips students to contribute to the country's progress through the development of data-driven, evidence-based solutions
54	Medical Surgical Nursing (Adult Including Geriatrics) – I		B.Sc. Nursing (BSN)	The course trains nurses to meet national healthcare demands, promote public health, and innovate in healthcare delivery at a national level.

55	Medical Surgical Nursing (Adult Including Geriatrics) – I Practical		B.Sc. Nursing (BSN)	At the national level, the practical component ensures nurses are skilled in providing essential care for adults and the elderly, addressing critical healthcare needs.
56	Community Health Nursing – I		B.Sc. Nursing (BSN)	Equips nurses with skills to address public health challenges, promote preventive care, and improve community health outcomes.
57	Community Health Nursing – I Practical		B.Sc. Nursing (BSN)	Students gain hands-on experience in community settings, learning skills such as health assessment, health education, and community outreach.
58	Medical Surgical Nursing (Adult Including Geriatrics) II		B.Sc. Nursing (BSN)	Students delve deeper into advanced medical-surgical nursing concepts and practices, including specialized care for adult and elderly patients. They learn to manage complex medical conditions, surgical interventions, and geriatric health issues, preparing them for comprehensive patient care in diverse healthcare settings.
59	Medical surgical Nursing (Adult & Geriatrics) II Practical		B.Sc. Nursing (BSN)	Students gain hands-on experience in providing advanced care to adult and geriatric patients. They apply skills learned in theory, such as patient assessment, medication administration, and wound care, in clinical settings.
60	Child Health Nursing		B.Sc. Nursing (BSN)	Addresses crucial pediatric healthcare needs, focusing on preventive care, growth and development, and management of childhood illnesses.
61	Child Health Nursing – Practical		B.Sc. Nursing (BSN)	Practical sessions, students acquire hands-on experience in pediatric care, including assessment, immunization, and family-centered approaches, enhancing their nursing competency and skills.
62	Mental Health Nursing		B.Sc. Nursing (BSN)	Focuses on promoting mental well-being, managing psychiatric disorders, and providing holistic care for individuals with mental health challenges.

63	Mental Health Nursing – Practical		B.Sc. Nursing (BSN)	Students gain hands-on experience in supporting individuals with mental health disorders, implementing therapeutic interventions, and promoting holistic well-being.
64	Midwifery & Obstetrical Nursing		B.Sc. Nursing (BSN)	Focuses on maternal and newborn care, covering prenatal, intrapartum, postpartum, and neonatal stages, ensuring safe childbirth and maternal well-being.
65	Midwifery & Obstetrical Nursing – Practical		B.Sc. Nursing (BSN)	Students gain hands-on experience in providing care during pregnancy, labor, childbirth, and postpartum, ensuring safe maternal and newborn outcomes.
66	Community Health Nursing – II		B.Sc. Nursing (BSN)	Contributes to national development by training nurses to address public health challenges, promote preventive care, and improve community health outcomes.
67	Community Health Nursing – II Practical		B.Sc. Nursing (BSN)	Students gain hands-on experience in implementing public health programs, conducting community assessments, and promoting health education, contributing to improved community health outcomes.
68	Nursing Foundation I including First Aid module	N-NF (I) 125	B.Sc. Nursing (BSN)	Covers fundamental nursing principles and includes training in first aid, providing a strong foundation for nursing practice.
69	Nursing Foundation II including Health Assessment module	N-NF (II) 125	B.Sc. Nursing (BSN)	Builds on nursing fundamentals and includes training in health assessment, preparing nurses to conduct comprehensive patient evaluations and provide quality care.
70	Adult Health Nursing I with integrated pathophysiology including BCLS module	N-AHN (I) 215	B.Sc. Nursing (BSN)	Focuses on nursing care for adult patients, integrating pathophysiology knowledge and training in Basic Cardiac Life Support (BCLS).

71	Adult Health Nursing II with integrated pathophysiology including Geriatric Nursing + Palliative care module	N-AHN (II) 225	B.Sc. Nursing (BSN)	Provides advanced nursing care for adult patients, integrating pathophysiology knowledge with specialized focus on geriatric nursing and palliative care.
72	Child Health Nursing I including Essential Newborn Care (ENBC), FBNC, IMNCI and PLS, modules	N-CHN(I) 301	B.Sc. Nursing (BSN)	Focuses on pediatric nursing, covering essential newborn care, family-based newborn care, Integrated Management of Neonatal and Childhood Illnesses (IMNCI), and Pediatric Life Support (PLS).
73	Mental Health Nursing I	N-MHN(I) 305	B.Sc. Nursing (BSN)	Focuses on foundational knowledge and skills in mental health nursing, including assessment, therapeutic communication, and interventions for individuals experiencing mental health challenges.
74	Community Health Nursing I including Environmental Science & Epidemiology	N-COMH(I) 310	B.Sc. Nursing (BSN)	Integrates community health principles with environmental science and epidemiology, preparing nurses to address public health challenges and promote community well-being.
75	Child Health Nursing II	N-CHN(II) 301	B.Sc. Nursing (BSN)	Delves deeper into pediatric nursing, covering advanced concepts and skills in caring for infants, children, and adolescents, ensuring comprehensive pediatric care delivery.
76	Mental Health Nursing II	N-MHN(II) 305	B.Sc. Nursing (BSN)	Advances skills in psychiatric care, covering assessment, therapeutic interventions, and management of mental health disorders, ensuring competent care for individuals with complex mental health needs.
77	Midwifery/Obstetrics and Gynaecology (OBG) Nursing I including SBA module	N-MIDW(I)/OBGN 3	B.Sc. Nursing (BSN)	Provides foundational knowledge and skills in maternal and reproductive health, integrating training in Safe Birth Attendant (SBA) practices.
78	Community Health Nursing II	N-COMH(II) 401	B.Sc. Nursing (BSN)	Builds upon foundational skills, focusing on advanced community health nursing concepts, leadership, and management, ensuring nurses are equipped to address complex public health challenges effectively.

79	Midwifery/Obstetrics and Gynaecology (OBG) Nursing II including Safe delivery app module	N-MIDW(II)/OBGN	B.Sc. Nursing (BSN)	Enhances skills in maternal and reproductive health, integrating training with innovative technologies for safe delivery practices.
80	Principles of Plant Disease Management	PL PATH-506	M.Sc. Plant Pathology	The course content includes management of plant pathogen by cultural, physical, biological, chemical, organic amendments and botanicals methods of plant disease control to improves the economic injury level without causing much harm to the ecosystem
81	Pesticides & Fertilizers	CHEM-542	M.Sc. Chemistry	This course is designed to lay emphasis on adapting greener pesticides in agricultural practices like use of plants like neem water extract for plant protections, use of Neem extract for pest control, natural organic manures such as Farmyard manure, compost and vermicompost, methods of applications of organic manures to increase soil fertility.
82	Tropical and Dry Land Fruit Production	FSC-501	M. Sc. Horticulture (Fruit Science)	The course content includes identification of commercial varieties of national importance; production technology of various tropical and dry land fruit crops; post harvest management and their export potential.
83	Subtropical and Temperate Fruit Production	FSC-502	M. Sc. Horticulture (Fruit Science)	The course content includes identification of commercial varieties of national importance; production technology of various subtropical and temperate fruit crops; post harvest management and their export potential.
84	Biodiversity and Conservation of Fruit	FSC-503	M. Sc. Horticulture (Fruit Science)	It deals with the exploration, collection and conservation of germplasm; detection of their genetic constitution; intellectual property rights.

85	Canopy Management in Fruit Crops	FSC-504	M. Sc. Horticulture (Fruit Science)	It deals with canopy management through training, pruning, growth inhibitors and rootstock and scion combinations to improve fruit quality with better yield.
86	Propagation and Nursery Management	FSC-505	M. Sc. Horticulture (Fruit Science)	It includes various methods of propagation suitable for commercial nursery production of fruit crops.
87	Breeding of Fruit Crops	FSC-506	M. Sc. Horticulture (Fruit Science)	It deals with various breeding methods like introduction, selection, hybridization, mutation and biotechnological interventions of different fruit crops which are important to develop a new variety
88	Biotechnology of Horticultural Crops	FSC-509	M. Sc. Horticulture (Fruit Science)	It includes various tissue culture methods; genetic engineering techniques for the improvement of varieties under aseptic conditions; molecular breeding for true validation of varieties.
89	Production Technology for Ornamental Crops, MAP and Landscaping	Hort-202	B. Sc. (Hons.) Agriculture	It deals with identification, landscaping, production, value addition of ornamental plants.
90	Production Technology for Fruit and Plantation Crops	Hort-203	B. Sc. (Hons.) Agriculture	The deals with identification, production technologies and protection methods of various fruit and plantation crops.
91	Fundamentals of Horticulture	Hort-101	B. Sc. (Hons.) Agriculture	It deals with nursery management, orchard management, canopy management, nutrient and water management of various horticultural crops.
92	Production Technology for Vegetable	Hort-201	B. Sc. (Hons.) Agriculture	The deals with importance of vegetables and spices in human nutrition and national economy; identification, nursery management, production technologies various vegetables and spices
93	Production Technology of Cool Season Vegetable Crops	VSC 501	M.Sc. Horticulture (Vegetable Science)	The course content includes various cultural practices for the production of cool season vegetable crops and their seed production.

94	Production Technology of Warm Season Vegetable Crops	VSC 502	M.Sc. Horticulture (Vegetable Science)	The course content includes various cultural practices for the production of warm season vegetable crops and their seed production.
95	Breeding of Vegetable Crops	VSC 503	M.Sc. Horticulture (Vegetable Science)	This course deals with selection of important genotypes, various crossing techniques, hybrid seed production and molecular characterization of various vegetable crops.
96	Growth and Development of Vegetable Crops	VSC 504	M.Sc. Horticulture (Vegetable Science)	This course deals with breaking and induction of dormancy, induction of parthenocarpy in various vegetable crops which increases their market value; application of various growth regulators to improve quality of vegetable crops.
97	Seed Production Technology of Vegetable Crops	VSC 505	M.Sc. Horticulture (Vegetable Science)	It deals with various hybrid seed production methods to increase scope of seed industry in India and export their seed to other countries
98	Production Technology of Underexploited Vegetable Crops	VSC 507	M.Sc. Horticulture (Vegetable Science)	This course deals with identification and production of various underutilized vegetable crops having nutritional importance
99	Organic Vegetable Production Technology	VSC 508	M.Sc. Horticulture (Vegetable Science)	It deals with production of vegetable crops without using inorganic fertilizers to improve the soil fertility and also export of the organic produce
100	Fundamentals of Processing of Vegetables	VSC 509	M.Sc. Horticulture (Vegetable Science)	It includes production of various value added products from vegetables; utilization of byproducts from vegetable processing industries; Management of wastes from processing industries.
101	Breeding of Flower Crops and Ornamentals	FLA 501	M.Sc. Horticulture (Floriculture and Landscape Architecture)	This course deals with selection of important genotypes, various crossing techniques, hybrid seed production, induction of mutants through physical and chemical mutagens and molecular characterization of various flower crops and ornamental plants.

102	Production Technology of Cut Flowers	FLA 502	M.Sc. Horticulture (Floriculture and Landscape Architecture)	The course content includes various cultural practices for the year round production of cut flowers and their export potential.
103	Production Technology of Loose Flowers	FLA 503	M.Sc. Horticulture (Floriculture and Landscape Architecture)	The course content includes various cultural practices for the year round production of loose flowers and their export potential.
104	Landscaping and Ornamental Gardening	FLA 504	M.Sc. Horticulture (Floriculture and Landscape Architecture)	This course deals with landscaping and preparation of various gardens which is having aesthetic value.
105	Protected Floriculture	FLA 505	M.Sc. Horticulture (Floriculture and Landscape Architecture)	It deals with protected cultivation of flowers and ornamental plants with good quality; off season production of flowers.
106	Value Addition in Flowers	FLA 506	M.Sc. Horticulture (Floriculture and Landscape Architecture)	It deals various techniques of flower arrangements, floral decorations, dry flower making, preparation of bouquets, wall hangings etc.
107	Turfing and Turf Management	FLA 507	M.Sc. Horticulture (Floriculture and Landscape Architecture)	This course includes identification of various turf grasses, practices in turf establishment and their management.
108	Advances in Vegetable Production	VSC 601	Ph. D. Horticulture (Vegetable Science)	This course includes advancement in vegetable production; dryland techniques for rainfed vegetable production; Vegetable waste recycling management; Portrays and ball culture.
109	Advances in Breeding of Vegetable Crops	VSC 602	Ph. D. Horticulture (Vegetable Science)	This course includes screening techniques for quality improvement, biotic and abiotic stresses; Estimation of heterosis and combining ability; Distant hybridization and embryo rescue techniques.
110	Protected Cultivation of Vegetable Crops	VSC 603	Ph. D. Horticulture (Vegetable Science)	It deals with protected cultivation of vegetables with good quality and their off season production; Maintenance of parental lines and hybrid seed production of vegetables; Control of insect-pests and disease in greenhouse.

111	Biotechnology of Vegetable crops	VSC 604	Ph. D. Horticulture (Vegetable Science)	It includes various tissue culture methods; genetic engineering techniques for the improvement of varieties under aseptic conditions; molecular breeding for true validation of varieties; in-vitro selection of mutants for abiotic and biotic stresses.
112	Seed Certification, Processing and Storage of Vegetable Crops	VSC 605	Ph. D. Horticulture (Vegetable Science)	It deals with methods of specification for seed certification of vegetable crops; seed sampling, seed testing and their marketing to increase awareness among people.
113	Abiotic Stress Management in Vegetable Crops	VSC 606	Ph. D. Horticulture (Vegetable Science)	This course includes Techniques of vegetable growing under various abiotic stresses; identification of varieties resistant to abiotic stresses.
114	Dissertation	PHY-600	M.Sc. Physics	This course is designed to provide practical exposure to the students about ongoing research in basic and applied areas of Physics as per the national and global needs. It will impart skills on planning, performing, analyzing and data interpretation of experiments.
115	Thesis	PHY-701	Ph.D. Physics	This course is designed to provide practical exposure to the students about ongoing research in basic and applied areas of Physics as per the national and global needs. It will impart skills on planning, performing, analyzing and data interpretation of experiments.
116	Material Science	PHY-533	M.Sc. Physics	This course include the various synthesis techniques of different type of materials and their characterization techniques for diverse practical applications at national level and globally.
117	Principle and practices of weed management	AGRON-503	M.Sc. (Ag.) Agronomy	This is a theory and practical course related to management of different weeds. This course include field visits for weed identification, their management, Herbicide studies and calculation of herbicide doses.

118	Modern concept in Crop Production	Agron-501	M.Sc. (Ag.) Agronomy	This is a theory course which include the study of all the latest methods and technologies used in the field of agronomy. The course content cover the concepts of conservation agriculture, dry land farming, precision farming, organic agriculture, resource conservation technologies, growth laws which have relevance to global needs
119	Principle and practices of water management	AGRON-504	M.Sc. (Ag.) Agronomy	This is a theory and practical course related to study of different management practices of water management. This course include study of water and it's role in plants, soil water relationship, plant water relationship, Management of irrigation water, water use efficiency and different methods of irrigation.
120	Rainfed Agriculture and Water Management	AGRON 303	B.Sc. (Hons.) Agriculture	This course understand problems associated with rainfed agriculture, different soil and water conservation techniques, crop adaptation and management
121	Principles and Practices of Soil Fertility & Nutrient Management	AGRON 502	M.Sc. (Ag.) Agronomy	This course includes the fertilizers and manures as sources of plant nutrients, analysis of essential nutrients and apprise the integrated approach of plant nutrient and sustainability of soil fertility