SRU | SCHOOL OF AGRICULTURE

ICAR ACCREDITED

**Course Structure / Curriculum (As per ICAR sixth deans' committee report)**

**Programme: B.Sc. (Hons.) Agriculture**

**Regulations: R24**

| COURSE STRUCTURE | | | | | | |
|---|---|---|---|---|---|---|
| **I Year 1st Semester (I Semester) courses** | | | | | | |
| **S.No.** | **COURSE CODE** | **COURSE TITLE** | **Hours/Week** | | | |
| | | | **L** | **T** | **P** | **C** |
| 1 | 6D-COCA-101 | Deeksharambh (Induction cum Foundation Course) (Non-gradial) | 0 | 0 | 4 | 2 |
| 2 | 6D-SEC-101 | Skill Enhancement Course I (Hitech Horticulture / Horticulture nursery management) | 0 | 0 | 4 | 2 |
| 3 | 6D-SEC-102 | Skill Enhancement Course II (Beneficial insect farming) | 0 | 0 | 4 | 2 |
| 4 | 6D-ENGL-101 | Communication Skills | 1 | 0 | 2 | 2 |
| 5 | 6D-AEXT-191 | Rural Sociology and Educational Psychology | 2 | 0 | 0 | 2 |
| 6 | 6D-AGRO-101 | Fundamentals of Agronomy | 2 | 0 | 2 | 3 |
| 7 | 6D-SSAC-121 | Fundamentals of Soil Science | 2 | 0 | 2 | 3 |
| 8 | 6D-PATH-171 | Fundamentals of Plant Pathology | 2 | 0 | 2 | 3 |
| 9 | 6D-HORT-181 | Fundamentals of Horticulture | 2 | 0 | 2 | 3 |
| 10 | 6D-COCA-102 | National Service Scheme-I (NSS-I) | 0 | 0 | 2 | 1 |
| 11 | 6D-SMCA-101 | Introductory mathematics (Non-gradial) | 1 | 0 | 0 | 1 |
| **TOTAL** | | | 12 | 0 | 24 | 24 |
| **I Year 2nd Semester (II Semester) courses** | | | | | | |
| **S.No.** | **COURSE CODE** | **COURSE TITLE** | **Hours/Week** | | | |
| | | | **L** | **T** | **P** | **C** |
| 1 | 6D-SEC-103 | Skill Enhancement Course-III (Seed Production Technology) | 0 | 0 | 4 | 2 |
| 2 | 6D-SEC-104 | Skill Enhancement Course-IV (Post harvest processing technology) | 0 | 0 | 4 | 2 |
| 3 | 6D-AEXT-192 | Personality Development | 1 | 0 | 2 | 2 |
| 4 | 6D-AGRO-102 | Farming based livelihood systems | 2 | 0 | 2 | 3 |
| 5 | 6D-EVST-101 | Environmental Studies and Disaster Management | 2 | 0 | 2 | 3 |
| 6 | 6D-SSAC-122 | Soil Fertility Management | 2 | 0 | 2 | 3 |
| 7 | 6D-ENTO-131 | Fundamentals of Entomology | 2 | 0 | 2 | 3 |
| 8 | 6D-LPFM-101 | Livestock and Poultry Management | 1 | 0 | 2 | 2 |
| 9 | 6D-COCA-103 | National Service Scheme-II (NSS-II) | 0 | 0 | 2 | 1 |
| **TOTAL** | | | 10 | 0 | 22 | 21 |

| II Year 1st Semester (III Semester) courses | | | | | | |
|---|---|---|---|---|---|---|
| S.No. | COURSE CODE | COURSE TITLE | Hours/Week | | | |
| | | | L | T | P | C |
| 1 | 6D-SEC-201 | Skill Enhancement course-V (Vermicomposting) | 0 | 0 | 4 | 2 |
| 2 | 6D-AECO-241 | Entrepreneurship Development and Business Communication | 2 | 0 | 2 | 3 |
| 3 | 6D-COCA-201 | Physical Education, First Aid, Yoga Practices and Meditation | 0 | 0 | 4 | 2 |
| 4 | 6D-GPBR-211 | Principles of Genetics | 2 | 0 | 2 | 3 |
| 5 | 6D-AGRO-201 | Crop Production Technology-I (Kharif crops) | 1 | 0 | 4 | 3 |
| 6 | 6D-HORT-282 | Production Technology of Fruit and Plantation Crops | 1 | 0 | 2 | 2 |
| 7 | 6D-AEXT-291 | Fundamentals of Extension Education | 1 | 0 | 2 | 2 |
| 8 | 6D-ANM-201 | Fundamentals of Nematology | 1 | 0 | 2 | 2 |
| 9 | 6D-AGRO-204 | Principles and Practices of Natural Farming | 1 | 0 | 2 | 2 |
| TOTAL | | | 9 | 0 | 24 | 21 |
| II Year 2nd Semester (IV Semester) courses | | | | | | |
| S.No. | COURSE CODE | COURSE TITLE | Hours/Week | | | |
| | | | L | T | P | C |
| 1 | 6D-SEC-202 | Skill Enhancement course-VI (Post harvest processing technology) | 0 | 0 | 4 | 2 |
| 2 | 6D-SMCA-201 | Agricultural Informatics and Artificial Intelligence | 2 | 0 | 2 | 3 |
| 3 | 6D-HORT-281 | Production Technology of Vegetables and Spices | 1 | 0 | 2 | 2 |
| 4 | 6D-AECO-242 | Principles of Agricultural Economics and Farm Management | 2 | 0 | 0 | 2 |
| 5 | 6D-AGRO-202 | Crop Production Technology-II (Rabi Crops) | 1 | 0 | 4 | 3 |
| 6 | 6D-AENG-251 | Farm Machinery and Power | 1 | 0 | 2 | 2 |
| 7 | 6D-AGRO-203 | Water Management | 1 | 0 | 2 | 2 |
| 8 | 6D-SSAC-221 | Problematic Soils and their management | 1 | 0 | 2 | 2 |
| 9 | 6D-GPBR-212 | Basics of Plant Breeding | 2 | 0 | 2 | 3 |
| TOTAL | | | 11 | 0 | 20 | 21 |

| III Year 1st Semester (V Semester) courses | | | | | | |
|---|---|---|---|---|---|---|
| S.No. | COURSE CODE | COURSE TITLE | Hours/Week | | | |
| | | | L | T | P | C |
| 1 | 6D-AECO-341 | Agricultural Marketing and Trade | 2 | 0 | 2 | 3 |
| 2 | 6D-AGRO-301 | Introduction to Agro-meteorology | 1 | 0 | 2 | 2 |
| 3 | 6D-CPHY-361 | Fundamentals of Crop Physiology | 2 | 0 | 2 | 3 |
| 4 | 6D-ENTO-331 | Pest management in Crops and Stored Grains | 2 | 0 | 2 | 3 |
| 5 | 6D-PATH-371 | Diseases of Field and Horticultural Crops and their Management | 2 | 0 | 2 | 3 |
| 6 | 6D-GPBR-311 | Crop Improvement (Kharif crops) - I | 1 | 0 | 2 | 2 |
| 7 | 6D-AGRO-302 | Weed Management | 1 | 0 | 2 | 2 |
| 8 | 6D-HORT-381 | Ornamental Crops, MAPs and Landscaping | 1 | 0 | 2 | 2 |
| 9 | 6D-AGRO-303 | Introductory Agro-forestry | 1 | 0 | 2 | 2 |
| 10 | 6D-SMCA-301 | Problem Solving Using Python Programming | 1 | 0 | 2 | 2 |
| **TOTAL** | | | 14 | 0 | 20 | 24 |

| III Year 2nd Semester (VI Semester) courses | | | | | | |
|---|---|---|---|---|---|---|
| S.No. | COURSE CODE | COURSE TITLE | Hours/Week | | | |
| | | | L | T | P | C |
| 1 | 6D-AGBT-301 | Fundamentals of Agri Biotechnology | 2 | 0 | 2 | 3 |
| 2 | 6D-SMCA-303 | Basic and Applied Agricultural Statistics | 2 | 0 | 2 | 3 |
| 3 | 6D-GPBR-312 | Crop Improvement (*Rabi* crops) - II | 1 | 0 | 2 | 2 |
| 4 | 6D-AENG-351 | Renewable energy in Agriculture and Allied Sector | 1 | 0 | 2 | 2 |
| 5 | 6D-AGRO-304 | Dryland agriculture/ Rainfed agriculture and watershed management | 1 | 0 | 2 | 2 |
| 6 | 6D-AMBE-301 | Agricultural Microbiology and Phyto-remediation | 1 | 0 | 2 | 2 |
| 7 | 6D-AECO-342 | Agricultural Finance & Cooperation | 1 | 0 | 2 | 2 |
| 8 | 6D-BICM-301 | Essentials of Plant Biochemistry | 2 | 0 | 2 | 3 |
| 9 | 6D-GPBR-313 | Fundamentals of Seed Science & Technology | 1 | 0 | 2 | 2 |
| 10 | 6D-IOTA-301 | Internet of Things (IoT) in Agriculture | 1 | 0 | 2 | 2 |
| **TOTAL** | | | 13 | 0 | 20 | 23 |

| IV Year 1st Semester (VII Semester) courses |
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| 5 Elective Courses (major or minor) each of 4 (3+1) credits for B.Sc. (Hons) Agriculture degree - 20(15+5) Credits |

| IV Year 2nd Semester (VIII Semester) courses |
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| Student READY : RAWE/ Industrial Attachment /Experiential Learning / Hands-on Training/ Project Work / Internship - 20 Credits |