

Department of Agriculture

Undergraduate Studies

| S/N | COURSE TITLE | Course Status COMPOLSORY (C) ELECTIVE (E) | Lecture | Practice | TOTAL | CREDITS ECTS |
|--------------------------------|--|---|---------|----------|-------|-----------------|
| 1st SEMESTER | | | | | | |
| 101 | INTRODUCTION TO AGRICULTURAL SCIENCE | C | 4 | | 4 | 5 |
| 102 | GENERAL AND INORGANIC CHEMISTRY | C | 2 | 2 | 4 | 5 |
| 103 | AGROMETEOROLOGY | C | 2 | 2 | 4 | 5 |
| 104 | PLANT MORPHOLOGY AND ANATOMY | C | 3 | 2 | 5 | 5 |
| 105 | AGRICULTURAL ENGINEERING | C | 2 | 2 | 4 | 5 |
| 106 | MATHEMATICAL METHODS IN AGRICULTURE I | C | 4 | | 4 | 5 |
| TOTAL | | | | | | 30 |
| 2nd SEMESTER | | | | | | |
| 201 | ORGANIC CHEMISTRY | C | 2 | 2 | 4 | 5 |
| 202 | MATHEMATICAL METHODS IN AGRICULTURE II | C | 4 | | 4 | 5 |
| 203 | SYSTEMATIC BOTANY/ PLANT TAXONOMY | C | 3 | 2 | 5 | 5 |
| 204 | AGRICULTURAL ECONOMY | C | 3 | | 3 | 3 |
| 205 | PLANT PHYSIOLOGY | C | 3 | 2 | 5 | 5 |
| 206 | SOIL SCIENCE | C | 3 | 2 | 5 | 5 |
| 207 | ENGLISH FOR AGRICULTURE | Y | 3 | | | 2 |
| TOTAL | | | | | | 30 |
| 3rd SEMESTER | | | | | | |
| 301 | BIOCHEMISTRY | C | 4 | | 4 | 5 |
| 302 | RURAL SOCIOLOGY | C | 4 | | 4 | 5 |
| 303 | PLANT NUTRITION-FERTILIZATION | C | 3 | 2 | 5 | 5 |
| 304 | GENETICS | C | 5 | | 5 | 6 |
| 305 | AGRICULTURAL HYDRAULICS | C | 4 | | 4 | 5 |
| 306 | AGRICULTURAL POLICY | C | 3 | | 3 | 4 |
| TOTAL | | | | | | 30 |
| 4th SEMESTER | | | | | | |
| 401 | AGRICULTURAL CONSTRUCTIONS | C | 4 | | 4 | 5 |
| 402 | MICROBIOLOGY | C | 2 | 2 | 4 | 5 |
| 403 | GENERAL PRINCIPLES OF CROP PRODUCTION | C | 3 | 2 | 5 | 5 |
| 404 | GENERAL POMOLOGY | C | 3 | 2 | 5 | 5 |
| 405 | FARM ECONOMICS | C | 4 | | 4 | 5 |

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| 406 | STATISTICS-AGRICULTURAL EXPERIMENTATIONS | C | 4 | | 4 | 5 |
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TOTAL 30

5th SEMESTER

| | | | | | | |
|-----|--------------------------------------|---|---|---|---|---|
| 501 | AGRICULTURAL ENTOMOLOGY – ZOOLOGY | C | 3 | 2 | 5 | 5 |
| 502 | GENERAL PLANT PATHOLOGY | C | 3 | 2 | 5 | 5 |
| 503 | GENERAL FLORICULTURE | C | 3 | 2 | 5 | 5 |
| 504 | INTRODUCTION TO VEGETABLE PRODUCTION | C | 3 | 2 | 5 | 5 |
| 505 | POMOLOGY I (PERENNIAL CROP TREES) | C | 3 | 2 | 5 | 5 |
| 506 | PLANT BREEDING | C | 3 | 2 | 5 | 5 |

TOTAL 30

6th SEMESTER

| | | | | | | |
|-----|---------------------------|---|---|---|---|---|
| 601 | VITICULTURE | C | 2 | 2 | 4 | 5 |
| 602 | FRUITING VEGETABLES | C | 3 | 2 | 5 | 5 |
| 603 | CEREALS | C | 3 | 2 | 5 | 5 |
| 604 | POMOLOGY II (POME FRUITS) | C | 3 | 2 | 5 | 5 |
| 605 | PESTICIDE SCIENCE | C | 3 | 2 | 5 | 5 |
| 606 | AGRICULTURAL MACHINES | C | 3 | 2 | 5 | 5 |

TOTAL 30

7th SEMESTER

| | | | | | | |
|-----|---|---|---|---|---|---|
| 701 | ORNAMENTAL PLANTS | C | 3 | 2 | 5 | 5 |
| 702 | BULBOUS AND LEAFY VEGETABLES | C | 3 | 2 | 5 | 5 |
| 703 | OPERATING EQUIPMENT AND GREENHOUSE AUTOMATION | C | 3 | 2 | 5 | 5 |
| 704 | SOLANACEOUS AND LEGUME FIELD CROPS | C | 3 | 2 | 5 | 5 |

ELECTIVES (2 of the list):

| | | | | | | |
|------|--|----|---|---|---|---|
| 705 | APPLIED PLANT PHYSIOLOGY | EC | 3 | 2 | 5 | 5 |
| 706 | SENSORY ANALYSIS OF OLIVE OIL | EC | 3 | 2 | 5 | 5 |
| 707 | ORGANIZATION AND MANAGEMENT OF AGRICULTURAL BUSINESS | EC | 4 | | 4 | 5 |
| 708 | QUALITY SYSTEMS IN AGRICULTURE | EC | 3 | 2 | 5 | 5 |
| 709 | ANATOMY OF FARM ANIMALS | EC | 3 | 2 | 5 | 5 |
| 7010 | ECOLOGY AND BIODIVERSITY | EC | 4 | | 4 | 5 |

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| 7011 | IRRIGATION AND DRAINAGE | EC | 3 | 2 | 5 | 5 |
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TOTAL 30

8th SEMESTER

| | | | | | | |
|-----|---|---|---|---|---|---|
| 801 | ADVANCED PLANT PATHOLOGY | C | 3 | 2 | 5 | 5 |
| 802 | PLANT BIOTECHNOLOGY | C | 3 | 2 | 5 | 5 |
| 803 | MARKETING OF AGRICULTURAL PRODUCTS AND FOODS | C | 4 | | 4 | 5 |
| 804 | FRUIT TREES AND VINEYARD SPECIALIZED ENTOMOLOGY | C | 3 | 2 | 5 | 5 |

ELECTIVES (2 of the list):

| | | | | | | |
|------|--|----|---|---|---|---|
| 805 | ANIMAL ENEMIES OF STORED AGRICULTURAL PRODUCTS AND FOODS | EC | 3 | 2 | 5 | 5 |
| 806 | LANDSCAPE ARCHITECTURE | EC | 3 | 2 | 5 | 5 |
| 807 | PROPAGATION OF FRUIT TREES AND FLOWER CROPS | EC | 3 | 2 | 5 | 5 |
| 808 | HYDROPONICS | EC | 3 | 2 | 5 | 5 |
| 809 | ANIMAL HUSBANDRY – FARM ANIMAL NUTRITION | EC | 4 | | 4 | 5 |
| 8010 | AROMATIC, MEDICINAL AND INDUSTRIAL CROPS | EC | 3 | 2 | 5 | 5 |
| 8011 | PRODUCTION OF FLORICULTURAL PLANTS | EC | 3 | 2 | 5 | 5 |
| 8012 | RENEWABLE ENERGY SOURCES | EC | 3 | 2 | 5 | 5 |
| 8013 | GEOGRAPHIC INFORMATION SYSTEMS-GIS | EC | 3 | 2 | 5 | 5 |

TOTAL 30

9th SEMESTER

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| 901 | HORTICULTURAL FLORICULTURAL AND VEGETABLE PLANTS SPECIALIZED ENTOMOLOGY | C | 3 | 2 | 5 | 5 |
| 902 | POSTHARVEST TECHNOLOGY OF AGRICULTURAL PRODUCTS | C | 3 | 2 | 5 | 5 |
| 904 | PRECISION AGRICULTURE | C | 3 | 2 | 5 | 5 |
| 905 | THESIS | | | | | 10 |

ELECTIVES (1 of the list):

| | | | | | | |
|------|---|----|---|---|---|---|
| 903 | POMOLOGY III (NUTS, MASTIC TREE OF CHIOS, TROPICAL CROPS) | C | 3 | 2 | 5 | 5 |
| 906 | PLANTING MATERIAL PRODUCTION TECHNOLOGY OF FIELD CROPS AND VEGETABLES | EC | 3 | 2 | 5 | 5 |
| 908 | ESTIMATION OF LOSSES IN AGRICULTURAL PRODUCTION AND FIXED CAPITAL | EC | 3 | 2 | 5 | 5 |
| 9010 | BENEFICIAL AND PRODUCTIVE INSECTS | EC | 3 | | 3 | 5 |
| 9012 | IMPROVEMENT TECHNIQUES AND MANAGEMENT OF PROBLEMATIC SOILS | EC | 4 | | 4 | 5 |

TOTAL 30

| 10th SEMESTER | | | | | | |
|---------------------------------|-------------------|--|--|--|--|-----------|
| 1001 | INTERNSHIP | | | | | 10 |
| 1002 | THESIS | | | | | 20 |
| | TOTAL | | | | | 30 |