**Agricultural Engineering**

**TRIMESTER WISE DISTRIBUTION OF COURSES**

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| --- | --- | --- | --- |
| **Course Code** | **Course Name** | **Credit-L** | **Credit-P** |
| **I-TRIMESTER** |
| **AE510-2018** | **SOIL AND WATER CONSERVATION ENGINEERING** | **3** | **0** |
| **AE527-2018** | **OPERATIONS RESEARCH** | **3** | **0** |
| **AE528-2018** | **INSTRUMENTATION IN AGRICULTURAL ENGINEERING** | **2** | **1** |
| **AE531-2018** | **ENVIRONMENTAL ENGINEERING FOR PLANTS AND ANIMALS** | **3** | **0** |
| **AE555-2018** | **TESTING AND EVALUATION OF AGRICULTURAL EQUIPMENT** | **2** | **1** |
| **AE556-2018** | **IRRIGATION ENGINEERING FUNDAMENTALS** | **2** | **1** |
| **AE616-2018** | **Production Technology** | **2** | **1** |
| **AE621-2018** | **GROUNDWATER DEVELOPMENT AND MANAGEMENT TECHNOLOGY** | **2** | **1** |
| **AE622-2018** | **OPEN CHANNEL HYDRAULICS** | **3** | **1** |
| **AE623-2018** | **SOIL MECHANICS** | **3** | **1** |
| **AE627-2018** | **FLUID MECHANICS** | **3** | **1** |
| **AE630-2018** | **HEAT AND MASS TRANSFER** | **3** | **0** |
| **AE632-2018** | **DESIGN OF STORAGE STRUCTURES** | **1** | **1** |
| **AE691-2018** | **SEMINAR** | **1** | **0** |
| **II-TRIMESTER** |
| **AE529-2018** | **SIMULATION MODELLING IN ENGINEERING SYSTEMS** | **2** | **0** |
| **AE609-2018** | **ERGONOMICS AND SAFETY IN AGRICULTURAL OPERATIONS** | **2** | **1** |
| **AE611-2018** | **Post Harvest Processing of Cereals, Pulses and Oil Seeds** | **3** | **1** |
| **AE614-2018** | **Principles and practicals of Food Handling and Packaging** | **2** | **1** |
| **AE615-2018** | **SOIL DYNAMICS IN TILLAGE AND TRACTION** | **2** | **1** |
| **AE619-2018** | **TRACTOR SYSTEMS DESIGN** | **2** | **1** |
| **AE620-2018** | **GIS AND REMOTE SENSING FOR LAND WATER RESOURCE MANAGEMENT** | **2** | **1** |
| **AE625-2018** | **ADVANCED HYDROLOGY** | **3** | **1** |
| **AE626-2018** | **FARM DRAINAGE SYSTEM DESIGN** | **3** | **1** |
| **AE629-2018** | **IRRIGATION SYSTEM DESIGN** | **2** | **1** |
| **AE631-2018** | **DRYING AND DEHYDRATION** | **2** | **1** |
| **AE633-2018** | **DESIGN OF PROCESSING PLANTS** | **3** | **0** |
| **AE642-2018** | **FARM STRUCTURES AND ANIMAL HOUSING** | **2** | **0** |
| **AE645-2018** | **NUMERICAL METHODS IN FLUID FLOW AND HEAT TRANSFER** | **2** | **1** |
| **AE657-2018** | **COMPUTER AIDED ANALYSIS AND DESIGN OF FARM MACHINERY** | **2** | **1** |
| **AE659-2018** | **ENERGY CONSERVATION AND MANAGEMENT IN AGRICULTURE** | **2** | **0** |
| **AE691-2018** | **SEMINAR** | **1** | **0** |
| **III-TRIMESTER** |
| **AGR016-2018** | **BASIC AGRICULTURAL ENGINEERING** | **1** | **1** |
| **AE530-2018** | **ENGINEERING PROPERTIES OF BIOLOGICAL MATERIALS** | **2** | **1** |
| **AE543-2018** | **SEED PROCESSING** | **2** | **1** |
| **AE554-2018** | **ADVANCED FOOD PROCESSING ENGINEERING** | **2** | **1** |
| **AE608-2018** | **RENEWABLE ENERGY CONVERSION SYSTEMS** | **2** | **1** |
| **AE610-2018** | **THEORY OF ELASTICITY AND STRESS ANALYSIS** | **3** | **0** |
| **AE618-2018** | **ADVANCED FARM MACHINERY DESIGN** | **2** | **1** |
| **AE628-2018** | **FLOW THROUGH POROUS MEDIA** | **2** | **1** |
| **AE634-2018** | **UNIT OPERATIONS IN AGRICULTURAL PROCESS ENGINEERING** | **3** | **0** |
| **AE652-2018** | **WATERSHED HYDROLOGY AND MANAGEMENT** | **2** | **1** |
| **AE653-2018** | **MODELLING IN INTEGRATED WATER RESOURCE MANAGEMENT**  | **2** | **1** |
| **AE655-2018** | **ADVANCED GROUND WATER HYDRAULICS** | **3** | **0** |
| **AE656-2018** | **MACHINERY SYSTEMS FOR PRECISION AGRICULTURE** | **2** | **1** |
| **AE691-2018** | **SEMINAR** | **1** | **0** |