

## SEMESTER WISE COURSE LAYOUT BTECH (AGRI ENGG)

<b>Semester 1</b>	
<b>Course Code</b>	<b>Course Name</b>
FMP-111	Workshop Practice
FMP-112	Engineering Drawing
FMP-123	Workshop Technology
FMP-124	Machine Drawing & Computer Graphics
BS-PHY112	Engg. Physics
EOES-122	Applied Electronics and Instrumentation Control
EOES-111	Engineering Chemistry
BS MATH-111	Engineering Mathematics-I
MATH-111	Mathematics
<b>Semester – II</b>	
<b>Course Code</b>	<b>Course Title</b>
SWCE-121	Surveying and Levelling
EOES-122	Applied Electronics and Instrumentation Control
FS- 121	Engineering Mechanics
AG-124	Soil Science
SSAC-121	Soil Fertility, Fertilizers& Nutrient Management
BS MATH-124	Engineering Mathematics-II
APE-232	Engineering properties of biological material and food quality
APE-121	Thermodynamics
FMP-123	Workshop Technology
FMP-124	Machine Drawing & Computer Graphics
<b>Semester – III</b>	
<b>Course Code</b>	<b>Course Title</b>
SWCE-232	Soil Mechanics
SWCE-233	Watershed Hydrology
BS-STAT- 237	Statistical Methods
BS-MATH 236	Engg. Mathematics
FMP 235	Theory of Machine
FMP 236	Farm Power
APE 232	Engg. Properties of Biological Material and Food Quality
IDE 231	Fluid Mechanics
EOES 233	Electrical Circuits
<b>Semester – IV</b>	

<b>Course Code</b>	Course Title
FMP-247	Farm Machinery & Equipment-I
FMP-248	Tractor System & Control
APE-243	Heat & Mass Transfer
APE-244	Crop Process Engineering
SWCE-244	Soil and Water Conservation Engineering
IDE-242	Irrigation Engineering
AG-245	Agribusiness Management & Trade
EOES-244	Electrical Machines & Power Utilization
FS-242	Building Materials
<b>Semester-V</b>	
<b>Course Code</b>	<b>Course Title</b>
FS-354	Agril. Structure & Environmental Control
APE-355	Dairy & Food Engg.
IDE-353	Ground Water Wells & Pumps
FMP-359	Farm Machinery & Equipment-II
IDE-354	Drainage Engg.
FS-353	Strength of Materials
SWCE-355	Soil & Water Conservation Structure
APE-356	Drying of Farm Crops
APE-357	Storage Engg.
<b>Semester-VI</b>	
AG-366	Entrepreneurship Development and Communication Skills
APE-368	Refrigeration and Air Conditioning
SWCE-366	Watershed Planning and Management
IDE-365	Advanced Irrigation System Design
IDE-366	Minor Irrigation and Command Area Development
FMP-3610	Machine Design
FMP-3611	Field Operation and Maintenance of Tractor and Farm Machinery
EOES-365	Renewable Energy Sources
FS-365	Design of Structures
<b>Semester-VII</b>	
CAF APE-475	Seed Process Engg.

CAF IDE-471	Micro Irrigation System Design
CAF APE-476	Process Engg. of Horticultural Crops
CAF IDE-474	Lift Irrigation System and Design Management
CAF FMP-473	Farm Power & Machinery Management
CAF FMP-478	Farm Machinery Design
CAF SWCE-474	Remote sensing & GIS Application in Natural Resource Mangement
CAF EOES-472	Renewable Energy Technologies
CAF FS-471	Design & Maintenance of Green House
CAF SWCE-476	Advance Surface Hydrology
CAF SWCE-472	Reservoir & Farm Pond Design