

**B.Sc. Agriculture subjects have relevance at global, national, and regional levels**

<b>Subject Code</b>	<b>Subject</b>	<b>Global</b>	<b>National</b>	<b>Regional</b>	<b>Description</b>
<b>AGRO 101</b>	Fundamentals of Horticulture	✓	✓	✓	Covers fruit, vegetable, and ornamental plant cultivation, crucial for food security and economy.
<b>BIOC 102</b>	Fundamentals of Plant Biochemistry & Biotechnology	✓	✓	✓	Focuses on genetic engineering, biofertilizers, and crop improvement for higher yields and disease resistance.
<b>SOIL 103</b>	Fundamentals of Soil Science	✓	✓	✓	Studies soil composition, fertility, and sustainable management to enhance crop productivity.
<b>FOR 104</b>	Introduction to Forestry	✓	✓	✓	Explores afforestation, forest conservation, and biodiversity protection, critical for climate change mitigation.
<b>AGRO 105</b>	Fundamentals of Agronomy	✓	✓	✓	Covers crop production techniques, weed management, and sustainable farming practices.
<b>RUR 106</b>	Rural Sociology & Educational Psychology	✓	✓	✓	Examines rural communities, agricultural development policies, and strategies for farmer education.
<b>MICRO 107</b>	Agricultural Microbiology	✓	✓	✓	Studies microorganisms in soil and their role in agriculture, including biofertilizers and composting.
<b>ENGG 108</b>	Soil and Water Conservation Engineering	✓	✓	✓	Focuses on erosion control, irrigation techniques, and water conservation for sustainable agriculture.

<b>PHY 109</b>	Fundamentals of Crop Physiology	✓	✓	✓	Covers plant growth, stress resistance, and physiological adaptations for improved crop yields.
<b>PATH 110</b>	Fundamentals of Plant Pathology	✓	✓	✓	Studies plant diseases, pathogens, and their control methods to protect crops from major losses.
<b>ENTO 111</b>	Fundamentals of Entomology	✓	✓	✓	Focuses on insect pests, beneficial insects, and pest control techniques in agriculture.
<b>EXTN 112</b>	Agricultural Extension Education	✓	✓	✓	Promotes knowledge transfer from research to farmers through training programs and rural development initiatives.
<b>ECON 113</b>	Fundamentals of Agricultural Economics	✓	✓	✓	Covers agri-business, market analysis, and policies affecting agriculture at global and local levels.
<b>MECH 114</b>	Farm Machinery & Power	✓	✓	✓	Studies farm mechanization, including tractors, irrigation pumps, and power sources for agriculture.
<b>EVS 115</b>	Environmental Studies & Disaster Management	✓	✓	✓	Focuses on environmental conservation, disaster preparedness, and climate change mitigation in agriculture.
<b>CROP 116</b>	Crop Production Technology (Kharif/Rabi)	✓	✓	✓	Covers seasonal cropping patterns and techniques to maximize productivity during different seasons.
<b>LPM 117</b>	Livestock & Poultry Management	✓	✓	✓	Teaches best practices for raising livestock and poultry for dairy, meat, and egg production.

<b>RENEW 118</b>	Renewable Energy & Green Technology	✓	✓	✓	Explores solar, wind, and biogas technologies for sustainable energy use in agriculture.
<b>SEED 119</b>	Principles of Seed Technology	✓	✓	✓	Covers seed production, processing, certification, and quality control to ensure better crop yields.
<b>MKT 120</b>	Agricultural Marketing, Trade & Prices	✓	✓	✓	Analyzes agricultural supply chains, price fluctuations, and policies affecting trade.
<b>PEST 121</b>	Integrated Pest & Disease Management	✓	✓	✓	Studies eco-friendly pest control techniques and disease management strategies to reduce chemical dependency.
<b>ORG 122</b>	Organic Farming	✓	✓	✓	Focuses on sustainable, chemical-free farming practices to meet increasing demand for organic products.
<b>AGB 123</b>	Agribusiness Management	✓	✓	✓	Teaches management, entrepreneurship, and financial aspects of running an agribusiness.
<b>PRACT 124</b>	Practical Crop Production	✓	✓	✓	Provides hands-on training in crop cultivation techniques, from soil preparation to harvesting.
<b>EXL 125</b>	Experiential Learning (AELP)	✓	✓	✓	Offers real-world agricultural learning experiences, integrating theoretical knowledge with practical application.