

SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA
SHRI VAISHNAV INSTITUTE OF AGRICULTURE

GUAGRI AGRO 106: Basics of Agronomy

Course Code	Course Name	TEACHING & EVALUATION SCHEME							
		THEORY			PRACTICAL		L	T	CREDITS
		END SEM University Exam	Two term exam*	Teachers Assessment*	END SEM University Exam	Teachers Assessment*			
GUAGRIAGRO106	Basics of Agronomy	60	40	00	00	00	3	0	3

Legends: L - Lecture; P – Practical; C-Credit;

***Teacher Assessment** shall be based on following components: Quiz / Assignment / Project / Participation in Class,

Course Objective:

To study the concept of Agronomy

Course Outcomes:

1. Student will able to understand the importance of tillage in agriculture
2. Student will able to understand weed crop growth and development in terms of agronomy

Unit-1: Agronomy and its scope, seeds and sowing, tillage and tilth, crop density and geometry.

Unit-2: Crop water requirement, water use efficiency, irrigation – scheduling criteria and methods,

Unit-3: Weeds –importance, classification, and crop weed competition, concepts of weed management–principles and methods.

Unit-4: Growth and development of crops, factors affecting growth and development, plant ideotypes, crop rotation and its principles, adaptation and distribution of crops.

Unit-5: Harvesting and threshing of crops.

Books:

1. Principles of Agronomy – S. R. Reddy (1999) Kalyani Publication, New Delhi
2. Handbook of Agriculture (2006) ICAR Publications
3. Introduction to Agronomy and soil and water Management – V. G. Vaidya and K. K. Sahatrabudhe