

INSTITUTE	FACULTY OF AGRICULTURE
PROGRAM	BACHELOR OF SCIENCE (Hons.) AGRICULTURE
SEMESTER	5
COURSE TITLE	PRACTICAL CROP PRODUCTION - I (KHARIF CROPS)
COURSE CODE	16AS0503
COURSE CREDITS	1

Objective:

- 1 To teach the practical growing of crop husbandry of different kharif crops.
- 2 To gain the knowledge about different practical crop production practices about different kharif crops.

Course Outcomes: After completion of this course, student will be able to:

- 1 Students will be able to know the scientific management of different crops.
- 2 Students will be able to understand seed treatment and methods of sowing in different crops.
- 3 Students will analyse plant protection measures of different crops.
- 4 Students will assess post- harvest operations of crops in field.

Pre-requisite of course:To give practical knowledge about crop production of kharif crops.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	2	0	0	0	25	25

Contents : Unit	Topics	Contact Hours
Total Hours		

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	1 Crop planning, raising field crops in multiple cropping systems	2
2	2 Field preparation, seed, treatment, nursery raising, sowing	2
3	3 Nutrient Management	2

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
4	4 water Management	2
5	5 Weed Management	2
6	6 Management of insect-pests diseases of crops	2
7	7 Harvesting	2
8	8 Threshing, drying, winnowing & storage	2
9	9 Marketing of produce	2
10	10 The emphasis will be given to seed production, mechanization, resource conservation and integrated nutrient	2
11	11 Insect-pest and disease management technologies	2
12	12 Preparation of balance sheet including cost of cultivation, net returns per student as well as per team of group students	2
Total Hours		24

Textbook :

- 1 NA, NA, NA, NA

References:

- 1 Principles of agronomy, Principles of agronomy, T. Yellamanda Reddy & G. H. Sankara Reddy, Kalyani, 2023
- 2 Principles of crop production, Principles of crop production, S. R. Reddy & C. Nagamani, Kalyani, 2019
- 3 Modern weed management, Modern weed management, O. P. Gupta, Agrobios, 2011

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking
25.00	25.00	20.00	10.00	10.00	10.00

Instructional Method:

- 1 Practical examination will be conducted at the end of semester for evaluation of performance of students in farm.
- 2 The internal evaluation will be done on the basis of continuous evaluation of students on the farm.