

<b>INSTITUTE</b>	<b>FACULTY OF AGRICULTURE</b>
<b>PROGRAM</b>	<b>BACHELOR OF SCIENCE (Hons.) AGRICULTURE</b>
<b>SEMESTER</b>	<b>6</b>
<b>COURSE TITLE</b>	<b>PRACTICAL CROP PRODUCTION-II (RABI CROPS)</b>
<b>COURSE CODE</b>	<b>16AS0603</b>
<b>COURSE CREDITS</b>	<b>1</b>

**Objective:**

- 1 To teach the production practices of different rabi crops on field.
- 2 To acquire skills of crop planning and raising with multiple cropping systems in different agroclimatic zones for Rabi crops.

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

- 1 Student will acquaint knowledge on Rabi season crops, tools used in crop production, weed and irrigation management.
- 2 Student will develop the understanding on the production techniques of major Rabi season crops according to resources available in the field.
- 3 Student will develop the skills about the production techniques of Rabi crops in the practical crop production field.
- 4 Student will examine the production of sown crops in the practical crop production field.

**Pre-requisite of course:**General knowledge regarding Rabi crops

**Teaching and Examination Scheme**

<b>Theory Hours</b>	<b>Tutorial Hours</b>	<b>Practical Hours</b>	<b>ESE</b>	<b>IA</b>	<b>CSE</b>	<b>Viva</b>	<b>Term Work</b>
0	0	2	0	0	0	25	25

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
<b>Total Hours</b>		

**Suggested List of Experiments:**

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
1	1 Crop planning, raising field crops in multiple cropping systems	2

### Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
2	<b>2</b> Field preparation, seed, treatment, nursery raising, sowing, nutrient, water and weed management and management of insect-pests and diseases of crops, harvesting, threshing, drying, winnowing, storage and marketing of produce	6
3	<b>3</b> The emphasis will be given to seed production, mechanization, resource conservation and integrated nutrient, insect-pest and disease management technologies	2
4	<b>4</b> Preparation of balance sheet including cost of cultivation, net returns per student as well as per team of 8-10 students	2
<b>Total Hours</b>		<b>12</b>

### Textbook :

- 1 NA, NA, NA, NA

### References:

- 1 Principles of Agronomy, Principles of Agronomy, Reddy, S. R., Kalyani Publishers, 2002
- 2 Principles and Practices of Agronomy, Principles and Practices of Agronomy, Balasubramanian, P. and Pallaniappan, S. P., Agrobios, 2001
- 3 Principles and Practices of Agronomy, Principles and Practices of Agronomy, Singh, S. S., Kalyani Publishers, 1993

### 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	30.00	10.00	5.00	5.00

### 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.