



RAFFLES
UNIVERSITY

TEACHING PLAN: Practical Crop Production-II (*Rabi* Crops)

SCHOOL: (SOAS) SCHOOL OF AGRICULTUR AL SCIENCES		ACADEMIC SESSION: 2023 – 2024		FOR STUDENTS’ BATCH: VI th Semester		
1	Course No.	AAG-P-304				
2	Course Title	Practical Crop Production-II (<i>Rabi</i> Crops)				
3	Credits	2 (0+2)				
4	Learning Hours		Contact Hours	64		
			Assessment	14		
			Guided Study	12		
			Total hours	90		
5	Course Objective	1. To teach the practical growing of crop husbandry of different <i>Rabi</i> crops 2. To teach the practical on nursery raising, sowing, and nutrient management. 3. To teach the practical on preparation of balance sheet including cost of cultivation 4. To teach the practical on seed production of <i>Rabi</i> crops.				
6	Course Outcomes	1. Student can able to identify different species of crops and able to understand crop characteristics. 2. Students will be acquainted about different approaches of crops management. 3. Students will be acquainted about nursery raising, sowing, and nutrient management. 4. Students will be acquainted about management of insect-pests diseases of crops. 5. Students will be acquainted about harvesting, threshing, drying winnowing, storage and marketing of produce.				
7	Outline syllabus:					
7.01	Paper Code	Unit	Introduction		Page Numbers ¹	Lectures
7.02	AAG-P-304	Unit I	1. Crop planning, raising field crops in multiple cropping systems 2. Field preparation, seed, treatment 3. Nursery raising, sowing, nutrient, water and weed management			
		Unit II	1. Management of insect-pests diseases of crops 2. Harvesting, threshing, drying winnowing, storage 3. Marketing of produce			
		Unit III	1. The emphasis will be given to seed production 2. Mechanization, resource conservation and integrated nutrient 3. Insect-pest and disease management technologies			
		Unit IV	1. Preparation of balance sheet including cost of cultivation 2. Net returns per student as well as per team of 8-10 students			
8	Course Evaluation					

8.1	CA: 10%	
8.11	Attendance	5%
8.12	Homework	2 Assignments-15%
8.13	Quizzes	
8.14	Projects	-
8.15	Presentation	-
8.16	Any other	
8.2	MTE	30%
8.3	End-term examination: 50%	
9	Text Books & References	
9.1	Text book	1. Agronomy Theory and Practice by S.Krishnaprabu 2. Agronomy of Field Crops by S.R. Reddy, Ramu Y. Reddy 3. Field crops Production, Foodgrain crops Volume-I, by Dr. Rajendra Prasad, Indian Council of Agricultural Research, New Delhi. 4. Field crop Production, Commercial crops Volume-II by Dr. Rajendra Prasad, Indian Council of Agricultural Research, New Delhi.
9.2	References	1. S.Krishnaprabu, Agronomy: Theory and Practice, Satish Serial Publishing House 2016 2. P.C.Das, Crops and their Production : Technology under Different Conditions, Kalyani Publishers 2010 3. S.R. Reddy, Ramu Y. Reddy, Agronomy of Field Crops, Kalyani Publishers 2006 4. Crop Production Technology I & II – Kharif and Rabi Crops – As per 5th Deans Committee Recommendations, B. S. Lalitha, N. Mavarkar, B. R. Premalatha, 2020.
9.3	Video References	1. https://www.youtube.com/watch?v=IlzcASu-LWc 2. https://www.youtube.com/watch?v=A5sWgIQJMTU 3. https://www.youtube.com/watch?v=3WB6D0sdcAg 4. https://www.youtube.com/watch?v=QtG1-MKVU-s 5. https://www.youtube.com/watch?v=UmNUertv4KE 6. https://www.youtube.com/watch?v=xBGzXbkKsBo 7. https://www.youtube.com/watch?v=9oAAjCnnsOI 8. https://www.youtube.com/watch?v=UiZ0UI dau9g 9. https://www.youtube.com/watch?v=Lp0iNcQ2Kks 10. https://www.youtube.com/watch?v=YagyH2NEjXk 11. https://www.youtube.com/watch?v=_jyNcf9y9jc 12. https://www.youtube.com/watch?v=STah8pRk1jA

Mapping of Outcomes v. Topics

Outcome no. → Syllabus topic↓	1	2	3	4	5
Paper Code.Unit I (1)	✓				✓
Paper Code. Unit I (2)	✓				✓
Paper Code.Unit II (1)				✓	✓
Paper Code. Unit II(2)				✓	✓
Paper Code. Unit II(3)				✓	✓
Paper Code. Unit II(4)			✓		✓
Paper Code.Unit III (1)				✓	✓
Paper Code. Unit III(2)				✓	✓
Paper Code. Unit III(3)				✓	✓
Paper Code.Unit IV (1)		✓			✓
Paper Code. Unit IV(2)				✓	✓