

**MAHARASHTRA AGRICULTURE UNIVERSITIES**  
**Semester wise course layout as per the V<sup>th</sup> Deans' Committee Undergraduate – B.Sc.**  
**(Hons) Agriculture**

**Semester- VII**

**Student READY** (Rural and Entrepreneurship Awareness Development Yojana)

To reorient graduates of Agriculture and allied subjects for ensuring and assuring employability and develop entrepreneurs for emerging knowledge intensive agriculture, the component envisages the introduction of the program in all the Agricultural Universities as an essential prerequisite for the award of degree to ensure hands on experience and practical training.

**Component of the programme:** It is proposed to include following components in Student READY program.

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|--|------------|
| i) Experiential Learning/Hands on Training   | - 24 weeks |
| ii) Skill Development Training               | - 24 weeks |
| iii) Rural Agriculture Work Experience       | - 10 weeks |
| iv) In Plant Training/ Industrial attachment | - 10 weeks |
| v) Students Projects                         | - 10 weeks |

This program will be undertaken by the students for a total duration of 20 weeks with a weightage of 0+20 credit hours in two parts namely RAWE and AIA. It will consist of general orientation and on campus training by different faculties followed by village attachment/unit attachment in University/ College/ KVK or a research station. The students would be attached with the agro-industries to

get an experience of the industrial environment and working. Due weightage in terms of credit hours will be given depending upon the duration of stay of students in villages/agro-industries. At the end of RAWE/AIA, the students will be given one week for project report preparation, presentation and evaluation.

The students would be required to record their observations in field and agro-industries on daily basis and will prepare their project report based on these observations

### **Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE & AIA)**

It is decided to implement RAWE Model-I, considering feasibility in the field situation.

Sr. No.	Activities	Number of weeks	Credit Hours
1	General orientation and On campus training by different faculties	1	14
2	Village attachment/ Unit attachment in Univ./ College. KVK/ Res. Station	8	
3	Agro-Industrial Attachment	10	06
4	Project Report Preparation, Presentation and Evaluation	1	
<b>Total weeks for RAWE &amp; AIA</b>		<b>20</b>	<b>20</b>

- **Agro- Industrial Attachment:** The students would be attached with the agro-industries for a period of 10 weeks to get an experience of the industrial environment and working.

## **RAWE Component–I**

### **Village Attachment Training Programme**

<b>Sr.No.</b>	<b>Activity</b>	<b>Duration</b>
1	Orientation and Survey of Village	1 week
2	Agronomical Interventions	1 week
3	Plant Protection Interventions	1 week
4	Soil Improvement Interventions (Soil sampling and testing)	1 week
5	Fruit and Vegetable production interventions	1 week
6	Animal Production Interventions	1 week
7	Extension and Transfer of Technology activities	1 week

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Semester wise course layout as per the V<sup>th</sup> Deans' Committee Undergraduate – B.Sc. (Hons)

### Agriculture

### Semester- VIII

#### Experiential Learning Modules

Sr. No.	Course No.	Credits	Course Title
1	ELM AGRO4813	10(0+10)	Organic Farming Production Technology
2	ELM AGRO 4814	10(0+10)	Commercial Production of Organic Manures & Marketing
3	ELM AHDS 489	10(0+10)	Poultry production
4	ELM AHDS 486	10(0+10)	Processing of Milk and Milk Product
5	ELM BOT 481	10(0+10)	Seed Production and Technology
6	ELM BOT 484	10(0+10)	Tissue culture Techniques
7	ELM ENGG 485	10(0+10)	Natural Resources Management
8	ELM ENTO 486	10(0+10)	Mass Production of Bio-agents and Bio-pesticides
9	ELM ENTO 487	10(0+10)	Commercial Beekeeping
10	ELM ENTO 488	10(0+10)	Silkworm cocoon production technology
11	ELM FST 483	10(0+10)	Food Processing
12	ELM HORT 489	10(0+10)	Commercial Horticulture
13	ELM HORT 4810	10(0+10)	Floriculture and Landscaping Gardening
14	ELM HORT 4811	10(0+10)	Nursery Management of Horticultural Crops
15	ELM HORT 4812	10(0+10)	Commercial Vegetable Production
16	ELM HORT 4813	10(0+10)	Protected Cultivation of Flowers and Vegetables

17	ELM HORT 4814	10(0+10)	Post-harvest Management and Value Additions of Horticultural Crops
18	ELM PATH 486	10(0+10)	Mushroom Cultivation Technology
19	ELM PATH 487/ ELM SSAC 487	10(0+10)	Biofertilizer Production Technology
20	ELM SSAC 485	10(0+10)	Soil, Water, Plant and Fertilizer Analysis
21	ELM SSAC 486	10(0+10)	Agricultural Waste Management