**Course Title**
Production technology of Ornamental Crops, MAP’s and Landscaping

**Course Code**
AHO 401

**Course Credit**
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<th>Type</th>
<th>Hours</th>
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<tr>
<td>Lecture</td>
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<td>Practical</td>
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<td>Tutorial</td>
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**Course Learning Outcomes**

On the completion of the course, students will be able to:

- To know importance of Ornamental crops, Medicinal and aromatic crops.
- Understand the scientific cultivation methods of different ornamentals crops like Rose, Gillardia, Gladiolus, Tuberose, chrysanthemum.
- Understand the scientific cultivation methods of Medicinal crops like ashwagandha, Senna, Isabgol, Goggle.
- To know more about origin, area, climate, soil, improved varieties and cultivation practices such as time and methods of sowing, transplanting techniques, planting distance, fertilizer requirements, irrigation, weed management, harvesting and yield.
- To study the crops like aromatic crops like lemongrass, rose geranium, palmarosa, ocimum and vetiver.
- Know about landscaping and its features.
- To study the different cut flowers like rose, gerbera and carnation under protected conditions.

**Detailed Syllabus**

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<th>Sr. No.</th>
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### Importance and scope of ornamental crops, medicinal and aromatic plants and landscaping. Principles of landscaping. 1

2 Landscape uses of trees, shrubs and climbers. 1

3 Production technology of important cut flowers like rose, gerbera, and carnation, under protected conditions and gladiolus, tuberose, chrysanthemum under open conditions. 3

4 Production technology of important cut flowers like gladiolus, tuberose, chrysanthemum under open conditions. 2

5 Package of practices for loose flowers like marigold and jasmine, under open conditions. 3

6 Package of practices for loose flowers like galillardia, spiderlilly under open conditions. 1

7 Production technology of important medicinal plants like ashwagandha, senna, isabgol and goggle. 1

8 Production technology of important aromatic plants like mint, lemongrass, citronella and palmarosa. 2

9 Production technology of important aromatic plants like ocimum, rose, geranium, vetiver. 1

10 Processing and value addition in ornamental crops and MAPs produce. 1

**Total** 16

### PRACTICAL

1 Production Technology for Ornamental Crops, MAPs and Landscaping Identification of Ornamental plants. 2

2 Identification of Medicinal and Aromatic Plants. Garden adornments & features, Training and pruning of Ornamental plants. Intercultural operation in flower and MAP. 2

3 Harvesting and post-harvest handling of cut and loose flowers. Processing of MAP. 2

4 Visits to commercial flower MAP unit. 2

**Total** 08

### Reference Books:

- Instant Horticulture By S.N. Gupta
- Glaustaus Horticulture By P. Mutthukumar ans Selvakumar
- Spices, Plantation crops, Medicinal and Aromatic Plants By N.Kumar,
### Additional Resources:

Web sites:
- [http://www.agriinfo.in/](http://www.agriinfo.in/)
- [eagri.org](http://eagri.org)
- [http://www.agriglance.com/](http://www.agriglance.com/)
- [http://agritech.tnau.ac.in/](http://agritech.tnau.ac.in/)