Objectives:
1. Explain from a cellular point of view – plant propagation.
2. Describe the reasons for plant propagation in terms of cultivars, hybrid varieties, clones.
3. Describe the process of seed germination and the terminology associated with this process.
4. Define and describe the importance of dormancy, seed coats, stratification in terms of germination.
5. Prepare individual-gathered seeded for the germination process and eventual growing on.
6. Describe the rooting process and the factors affecting it.
7. Identify and describe media used in rooting cuttings.
8. Describe the proper techniques and considerations used in rooting cuttings.
9. Prepare individual-gathered cuttings for rooting and eventual growing on.
10. Describe the methods of grafting, layering, and propagation by bulbs, corms, tubers, roots, and rhizomes.
11. Outline the procedure involved in nursery preparation-field growing containers.
12. Line out and/or containerize class-propagated plant materials.

Grading:
- 3 Exams (lowest dropped) . . . . . . . . 50%
- Final Exam . . . . . . . . . . . . . . . . 30%
- Plant Report . . . . . . . . . . . . . . . 20%

There will be no make-up exams due to absence. If you miss a class, see me for any in-class material. It is your responsibility to get the notes from the class.

There will be trips scheduled to observe nursery operations and there may be trips scheduled to observe nursery operations and there may be trips to arboreta to gather cuttings.

Plant Report:
How a specific plant is propagated with references, and how someone in the trade propagates this plant and how the plant is grown on. Pictures of the plant are also needed.

You will need a folding knife and pruning shears for this course.