

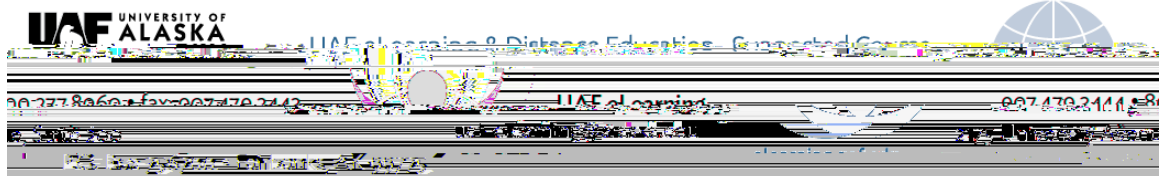
**TITLE:** PLANT PROPAGATION II. Vegetative Propagation

**NUMBER:** NRM 151

**CREDITS:** 1 credit (1+0)

**PREREQUISITES:** Prerequisites: recommended basic high school biology, botany

**LOCATION:** Online



Revised January 2017

## **TECHNICAL REQUIREMENTS FOR COURSE**

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This course will use several multimedia technologies accessible through Blackboard. Lectures will be recorded using Powerpoint/Camtasia/Youtube and will require audio and video capabilities. There are no requirements to purchase additional software. Students will be expected to have the most current versions of several applications that will be used in this course, including QuickTime, Flash (Mac|Windows), iTunes and Java. Before the first online class meeting, please visit the [OIT website to make sure all of your systems are up to date.](#)

## **INSTRUCTIONAL METHODS**

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This course is asynchronous,

7. Layerage- the art and science of layering - origin, anatomy, methods of commercial propagation; factors affecting regeneration by layerage.
8. Root cuttings- anatomy, commercial applications, factors affecting root/shoot development
9. Growth regulators and rooting- common plant hormones and how they are used in promoting root/shoot production; how they work
10. Propagation by specialized stems: bulbs, corms tubers, rhizomes, tuberous rhizomes; their origin, anatomy, methods of commercial propagation; factors affecting regeneration by specialized stems
11. Specialized structures- pseudobulbs, offsets, runners; their origin, anatomy, methods of commercial propagation; factors affecting regeneration by specialized stems
12. Grafting and Budding- definition, origin, anatomy, methods of commercial propagation; factors affecting regeneration by grafting and budding

### **COURSE SCHEDULE CHECKLIST**

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*See separate document*

**EVALUATION POLICIES**

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Weekly vocabulary quiz/game, etc. (6)	120 points	A= 90-100%
Weekly exams (5)	250	B= 80-89
Final	50	C= 70-79%
		D= 60-69%
		F= Below 60%
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	420	

Weekly vocabulary quizzes/games: (20 points





