



Syllabus for AG 27: Nursery Practices

Course Information

Semester & Year: Fall 2022

Course ID & Section #: AG-27-E3785

Instructor's name: Breauna DeMatto

Day/Time of required meetings:

Lecture - Mondays 1:15-3:20 (AT108)

Lab - Wednesdays 1:15-4:25 (Greenhouse)

Location: AT 108 (Lecture) Campus Greenhouse Rm 100 (Lab)

Course units: 3.0

Instructor Contact Information

Office location: Online

Office hours: By appointment

Phone number: 559-639-9603

Email address: breauna-dematto@redwoods.edu or message via Canvas

Catalog Description

A course of study of the production and cultural care of commercial container grown and field grown nursery operations. Among the topics covered are: crop scheduling, growing media, watering, fertilization, lighting, pests, temperature control, post harvest handling, marketing and sales.

Course Student Learning Outcomes

1. Compare and contrast old and new nursery industry practices to assess changes and advances. (LEC)
2. Identify basic marketing strategies used in the nursery industry. (LEC)
3. Apply proper cultural practices and grow nursery crops. Practices include: planting and potting up, scheduling crops, soil mixes and pasteurization, fertilizing and calculations, pest control, pinching, pruning, shaping and watering. (LAB)

Textbook

Booley, J. W. & Newman, S. E. (2009). *The Commercial Greenhouse* (3rd edition). Delmar, Cengage Learning.

This text will be made available as an ebook through Canvas. The cost is \$41.99 to access. Let your instructor know if you encounter any issues accessing the text.

Evaluation & Grading Policy

Evaluation for this course is based on your performance of the following assignments:

Lecture

In-Class Assignments (8 at 15 points each) = 120 points

Exams (3 at 60 points each) = 180 points

Lab

Fertilizer Experiment Lab Report = 30 points

Nursery Crop Project Report = 50 points

Lab Participation = 180 points

Total Points = 560 points

Grades will be posted to Canvas in a timely manner after an assignment is completed. Please be sure to check your grades throughout the semester so that you can alert me of any discrepancies that you notice.

Semester grades will be based on the percentage of the total possible points earned over the semester. Letter grades will be broken down as follows:

90-100% = A

80-89% = B

70-79% = C

60-69% = D

50-59% = F

Class Policies

Class Overview

For a three-unit course, you can expect to spend about two hours per week in-class for the lecture portion and about three hours per week in class for the lab portion of the course. Out of class, you can expect to spend about four hours per week completing activities such as reading assigned materials, working on assignments, and studying for exams.

Open Door Policy

I have an "open door policy," meaning that you can approach me with any questions or concerns at any time. I am here to help you learn and to support you on your educational journey. I am available by email, phone, and before and after class.

Late Policy

Please keep yourself apprised of the due dates for your assignments. Be sure to allot enough time to complete each assignment, while keeping in mind the fact that computers tend to malfunction, people tend to get sick, and life tends to get messy (i.e. plan ahead for the unexpected/don't wait until the last minute ;). Points will be deducted for late submissions (please refer to the corresponding rubric for an assignment).

Excessive Absences

Excessive absences will lead to being dropped from the course: Up until the end of the tenth week of the semester, unexcused absence from labs for three total class days (3 weeks) will lead to your being dropped from the course. Please be aware as well that if you are not consistently attending class prior to

the census date (09/06/22), this will lead to you being dropped from the course as well. For an online course, attendance is determined by your participation in the weekly assignments.

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Student Support

Good information and clear communication about your needs will help you be successful. Please let your instructor know about any specific challenges or technology limitations that might affect your participation in class. College of the Redwoods wants every student to be successful.

Admissions deadlines & enrollment policies

Fall 2022 Dates

- *Classes begin: 8/20/22*
- *Last day to add a class: 8/26/22*
- *Last day to drop without a W and receive a refund: 9/02/22*
- *Labor Day Holiday (all campuses closed): 09/05/22*
- *Census date: 9/06/22 or 20% into class duration*
- *Last day to petition to file P/NP option: 9/16/22*
- *Last day to petition to graduate or apply for certificate: 10/27/22*
- *Last day for student-initiated W (no refund): 10/28/22*
- *Last day for faculty-initiated W (no refund): 10/28/22*
- *Veteran's Day (all campuses closed): 11/11/22*
- *Fall Break (no classes): 11/21/21 – 11/25/22*
- *Thanksgiving Holiday (all campuses closed): 11/23/22 – 11/25/22*
- *Final examinations: 12/10/22 – 12/16/22*
- *Semester ends: 12/16/22*
- *Grades available for transcript release: approximately 01/06/23*

Academic Dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student

may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

Disruptive Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed from class. In addition, the student may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is inclusive and respectful.

Setting Your Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. This does not change your legal name in our records. See the [Student Information Update form](#).

Canvas Information

Canvas will be utilized for this class. Our Canvas class page will be where you can find the syllabus, lecture content, assignments, articles, grades, announcements, and is also a great way to message myself or your classmates. Grades will be logged into Canvas throughout the semester so that you are able to keep track of your progress. *Be sure that you set your Canvas settings to allow you to receive notifications when announcements and messages are sent.*

Log into Canvas at <https://redwoods.instructure.com>

Password is your 8 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Canvas Help for students: <https://webapps.redwoods.edu/tutorial/>

Canvas online orientation workshop: [Canvas Student Orientation Course \(instructure.com\)](#)

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Emergency Procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the [Redwoods Public Safety Page](#).

In an emergency that requires an evacuation of the building anywhere in the District:

- Be aware of all marked exits from your area and building
- Once outside, move to the nearest evacuation point outside your building
- Keep streets and walkways clear for emergency vehicles and personnel

Do not leave campus, unless it has been deemed safe by the campus authorities.

Eureka Campus Emergency Procedures

Please review the [campus emergency map](#) for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the [Redwoods Public Safety Page](#). It is the responsibility of College of the Redwoods to protect life and property from the effects of emergencies within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency has on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Notify Public Safety 707-476-4111 and inform them of the situation, with as much relevant information as possible.
4. Public Safety shall relay threat information, warnings, and alerts through the Everbridge emergency alert system, Public address system, and when possible, updates on the college website, to ensure the school community is notified.
5. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet, (evacuation to a safe zone, shelter in place, lockdown, assist others if possible, cooperate with First Responders, etc.).
6. If safe to do so, notify key administrators, departments, and personnel.
7. Do not leave campus, unless it is necessary to preserve life and/or has been deemed safe by the person in command.

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821

Course Outline - Fall 2022

This is a tentative outline of the topics and activities we will cover this semester. Especially with labs, activities may be adjusted to different dates, new activities may be added, and certain planned activities may not work out due to outside factors. You will be advised of any changes in the schedule beforehand.

Dates	Lecture (Mon 1:15-3:20)	Lab (Wed 1:15-4:25)
Week 1 8/22 & 8/24	Syllabus and Introductions Overview of the Nursery and Greenhouse Industry	Intro to Greenhouse Begin Fertilizer Experiment
Week 2 8/29 & 8/31	Greenhouse Structures and Site Selection <i>Chapters 4 & 5</i>	Transplanting poinsettias Mixing soil media Cold stratify seeds
Week 3 9/5 & 9/7	No Class - Labor Day Holiday	TBA
Week 4 9/12 & 9/14	Plant Propagation and Regulating Plant Growth <i>Chapters 17, 18, & 21</i>	Begin Nursery Crop Project Pinch poinsettias Beneficial insects
Week 5 9/19 & 9/21	Control of the Greenhouse Environment <i>Chapter 6</i>	Microgreens production Crop scheduling Germination testing
Week 6 9/26 & 9/28	Environmental Factors: Light, Temperature and Gas <i>Chapters 7-10</i>	Measuring light, pH, EC
Week 7 10/3 & 10/5	Exam 1	TBA
Week 8 10/10 & 10/12	Growing Media <i>Chapters 11-13</i>	Calculating pore space Collect Fertilizer Experiment data
Week 9 10/17 & 10/19	Nutrition and Fertility <i>Chapters 14 & 15</i>	Fertilizer arithmetic Nutrient deficiency ID Fertilizer Experiment Lab Report Due (upload to Canvas by 11:59pm)
Week 10 10/24 & 10/26	Water and Irrigation <i>Chapter 16</i>	Presprouting ranunculus Water quality analysis

Week 11 10/31 & 11/2	Greenhouse Pests <i>Chapter 19</i>	Pest scouting and ID
Week 12 11/7 & 11/9	Greenhouse Diseases <i>Chapter 20</i>	TBA
Week 13 11/14 & 11/16	<i>Exam 2</i>	TBA
Week 14 11/21 & 11/23	Fall Break: No Class	No Lab
Week 15 11/28 & 11/30	Post Harvest Handling Nursery Laws and Regulation <i>Chapter 32 & Canvas documents</i>	TBA
Week 16 12/5 & 12/7	Marketing and Sales <i>Chapters 33 & 34</i>	<i>Nursery Crop Project Report Due</i> Submit to Canvas by 11:59pm
Finals 12/14	<i>Final Exam</i> Wednesday 12/14 1:00-3:00pm	No Lab