

Warm Season Vegetable Production - SUSAG 64

Agriculture and Natural Resources Department

Santa Rosa Junior College

SYLLABUS

Summer Semester 2021

Instructor

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Office Location and Hours: By appointment. Please email me if you would like to meet for office hours.

Meeting Times: Section 8491

We meet Tuesdays and Thursdays in a hybrid format

TUESDAYS:

Group A 6/15, 6/29, 7/13, 7/27 - at Shone Farm 9:00-12:15

Group B 6/22, 7/6, 7/20, 8/3 - at Shone Farm 9:00-12:15

THURSDAYS:

9:00-10:00: Groups A and B (EVERYBODY) - *online* lecture and connecting with each other. This is our time to all be together, ***so please make a point to be here (virtually) for the whole hour each week.***

10:00-12:15 - subsequent lecture/web materials

Course Description Cultural practices, varieties, and economics of production of major warm season vegetable crops in Sonoma County. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Application of production techniques at SRJC's Shone Farm acreage. Focus will be on organic systems but course content will be useful to all growers.

Student Learning Outcomes: Upon completion of the course, students will be able to:

1. Select and cultivate varieties of warm season vegetables suitable for Sonoma County soils and microclimates.
2. Create appropriate planting layouts for warm season vegetables within the available planting space.
3. Plan and implement a schedule of cultural and cost effective practices from soil preparation through harvest for a warm season crop.
4. Develop a marketing plan and apply appropriate marketing strategies for profitable sale of a vegetable crop.

Class Policies: We will work to create a community of learning in this course. To achieve that goal the following behaviors are expected:

- 1.) The class will be a safe space. All individuals and opinions will be treated with respect.
- 2.) No credit will be given for missed exams or assignments turned in late.

COURSE REQUIREMENTS: Required Textbook Dawling, P. 2013.

Sustainable market farming: Intensive vegetable production on a few acres. New Society Publishers. ISBN: 0865717168 SRJC Library call #33155005951879 or #33155005951878

Students are expected to be prepared to discuss class readings each week.

Course Website: 3/4 of this class's content and activities will take place on the class page in SRJC's Canvas system (canvas.santarosa.edu). Assignments, reading articles, the syllabus, quizzes and other resources will be posted on this site. Students should become familiar with using the site as soon as possible. If you are new to using Canvas or have any trouble with your login information, consult the "Student Help" section of SRJC Distance Education at <https://de.santarosa.edu/> Or contact the IT Student Help desk at <https://it.santarosa.edu/student/support> and 707-521-6062

Course Requirements and Grading Grading Percentages:

Quizzes	20%
Online Discussion	20%
Written Assignment	25%
Crop Plan Project	20%
Participation	15%

A (90% - 100%) B (80% - 89%) C (70% - 79%) D (60% - 69%) F (Below 60%)

Major Assignments

Quizzes

Online quizzes will be assigned each week for required textbook chapters, videos and video lectures on the course Canvas page. All quizzes posted on the Canvas page must be completed. Quizzes are open book – you may use the textbook, your notes, or other course materials to complete them. Quizzes must be completed by the end of the week (Sunday) that the assigned reading is listed.

Online Discussions

Each week, we will read and discuss articles and book chapters on warm season crops and sustainable farming practices. All students in the class must participate in all of the online discussions. To receive full credit for these assignments, each student will need to compose their own response to the discussion prompt and also post a reply to at least one other students post.

Written Assignments

We will have written assignments during each week of the class. These will focus on planning skills related to warm season crop farming. All written assignments will be turned in via Canvas.

Crop Production Plan Project:

Each student will design a production plan for one of the warm season crops that is covered in the class. The project will be a PowerPoint presentation and must contain one slide that addresses each of the topics in the list below:

1. Why did you choose this crop?
2. Marketing plan: where will you sell this, what form of the crop will you sell
3. Variety or varieties of the crop chosen, and why
4. Equipment or tools that will be needed
5. Planting arrangement - include a diagram of the site, include plant spacing and estimated number of plants.
6. Soil preparation and fertilizers.
7. Irrigation type and plan for weeding.
8. Potential pests and diseases.
9. Harvest Plan
10. Basic costs of production and potential return from sales.

All Crop plan projects will be due by **Tuesday, August 3.**

Class Schedule - SUSAG 64 - Summer 2021

Week	Class Topics	Assigned Readings	Lab Activity
June 14 GROUP A @ Shone, 9:00-12:15 Tuesday	Crop Planning Crop Varieties Practices from Student Gardening	Ch 6, 7	seeding beans transplanting direct sowing
June 21 GROUP B @ Shone, 9:00-12:15 Tuesday	Transplant vs Direct Seed Crop Spacing Cucurbits	Ch 8, 9, 10, Ch 41, 42, 43	seeding beans transplanting direct sowing
June 28 GROUP A @ Shone, 9:00-12:15 Tuesday	Soil Management Weed Management Solanaceae	Ch 17, 18 Ch 21 Ch 49, 50, 52	Brett from Farm To Pantry cultivation/weeding trellising/pruning tomatoes/peppers
July 5 GROUP B @ Shone, 9:00-12:15 Tuesday	Hemp: Intro Botany Regulations	Materials from instructor	Brett from Farm To Pantry cultivation/weeding trellising/pruning tomatoes/peppers
July 12 GROUP A @ Shone, 9:00-12:15 Tuesday	Hemp: Field Growing Fertility Fiber	Materials from instructor	whatever needs doing in the hemp!
July 19 GROUP B @ Shone, 9:00-12:15 Tuesday	Pest and Disease Management Corn Sweet Potatoes	Ch 20 & 22, 54, 55	whatever needs doing in the hemp!
July 26 GROUP A @ Shone, 9:00-12:15 Tuesday	Harvest Cut Flowers Beans - Dried and green	Ch 23, 26, 27 Materials from instructor	harvest activity food safety/post- harvest handling
August 2 GROUP B @ Shone, 9:00-12:15 Tuesday	Crop Plan Projects		harvest activity food safety/post- harvest handling

We will try to stick to this schedule as much as possible, while recognizing that one of the major lessons of this past year is: expect the unexpected!