



ROP Farm to Fork

Course Outline/Syllabus

Mr. Greg Goran, Rm. A42

Ph: (714) 536-2514 ex 51216

Email: ggoran@hbuhsd.edu

Course Overview:

This course is designed to give students a hands on experience in urban agriculture and organic gardening techniques. We will be exploring a variety of topics relating to agriculture including problems and solutions to how we grow food in this country and around the world. Other topics covered include hydroponics, vertical gardening, composting, vermiculture, landscape design, recycling, urban farm management, marketing, sales, and business planning. Another major component of the course is our aquaponics system, where we will be raising fish and plants together in a symbiotic, closed loop system. We will look at alternatives to the industrial food production system and examine how we can grow food year round using organic methods that is better for our bodies, the economy, our community, and the environment. Most of our class time will be spent in our high tech, urban farm which will serve not only as our outdoor classroom, but will also operate as a student run business. Students will not only learn everything there is to know about organic agriculture, but also how to pursue a career in the field.

Goals/Outcomes:

The main goal of this course is to give students a meaningful experience on our urban farm and teach them to become urban farmers who have an appreciation for our environment. While many students may have no experience with gardening at first, they could end up becoming the farmers of the future. Students who pay attention, work hard, and show interest in the course may have an opportunity to become managers of the farm, teach their peers and new students the program, and get a paid position with one of our business partners in the industry.

Expectations/Rules:

- All students are expected to:
- Show up to class/the farm on time and prepared
- Be prepared with proper shoes, clothing, water, sunscreen, hat, etc.
- Participate and work together with their group and others
- Be safe when handling all tools and equipment
- Clean up and put away tools/supplies when finished
- Treat all things on the farm with respect including the plants, fish, insects, and each other
- Become a member of the HBHS Green Team, Future Farmers of America (FFA), OPTIONAL

. Virtual class meetings expectations include:

- 1) Quiet and attentive during virtual lectures, presentations, and discussions

- 2) Avoid personal discussions with classmates not related to class
- 3) Proper dress code=no offensive clothing/hats, no political statements or endorsements, (Please maintain a neutral space online).
- 4) No electronic devices out during virtual live meetings unless being used for a class activity.
- 5) Leave your camera on during meetings unless I ask you to mute them or you need it off for privacy, and your mic muted unless you have a question or comment.
- 6) If you leave meetings early or are unresponsive and not present during meetings, you will be marked as absent or not participating in attendance, message or email me immediately if you come late, need to leave early, or have tech problems so I can verify/update attendance.
- 7) Please follow digital etiquette outlined by HBHS in the Welcome Week presentations

Course Requirements:

- Participate daily in all activities
- Complete 1 class project and 1 home project
- Take several short quizzes on a variety of topics and 1 unit test each semester

Course Outline Topics (not in chronological order):

- Class introduction and orientation
- Use of Tools and Garden Equipment
- Permaculture
- Intro to horticulture
- Plant propagation and Seedling Preparation
- Sustainable/Organic agriculture
- Soil Biology/Composting
- Aquaculture and Aquaponics
- Landscaping Techniques and Design
- Agriculture and Landscaping Effects on the Environment
- Pest and Disease Control
- Irrigation techniques
- Food Preparation and Safety
- Recycling
- Business, Marketing, Resumes, and Employment opportunities
- Renewable Energy?

Grading Policy:

The class will consist of 2 semesters. Grades will be based on an overall percentage in the class for each semester.

Grade Scale	Grade Distribution
90% & above.....A	20%.....Projects
80-89.9%.....B	20%.....Class Activities
70-79.9%.....C	40%.....Homework
60-69.9%.....D	20%.....Discussions/Quizzes
59.9% & below.....F	