Fundamental Horticulture 18052

Teacher: Mrs. Karen Roudabush		
Textbook: 1) Introductory Horticulture, 8th Ed. Carroll L. Shry Jr. & H. Edward Reiley		
Grade Level: 9-12	Unit of Credit: ½	Semester: Semester
Prerequisites Required: N/A		

I. Specified Course Objectives

Hort 1.1	*Demonstrate safe use and knowledge of tools and equipment used in horticulture.*
Hort 1.2	*Demonstrate workplace/worksite safety procedures and protocols.*
Hort 2.1	*Classify and identify horticultural plants.*
Hort 3.1	*Explain basic principles of plant physiology and growth.*
Hort 3.2	*Demonstrate the propagation of plants by sexual and asexual methods.*
Hort. 4.1	*Identify principles of pest management.*
Hort. 5.1	*Examine soil and planting media management.*
Hort. 5.2	*Analyze information about the growing environment and its effect on plant growth.*
Hort 5.3	*Identify plant nutrition practices for horticulture plants as they relate to plant growth and health.*
Hort 6.1	*Explain the care and maintenance of vegetable/fruit crops.*
Hort 6.2	*Investigate the floriculture industry.*
Hort 6.3	*Investigate the nursey/landscape industry.*
Hort 6.4	*Investigate the care and management of turf grass.*
Hort 7.1	*Develop soft skills to enhance employability.*
Hort 8.1	*Develop an individual project plan with goals and timeline.*
Hort 8.2	*Explore opportunities within AFNR industries.*
Hort 8.3	*Apply concepts of financial management appropriate to agricultural projects and personal finances.*
Hort. 8.4	*Develop and document knowledge and skills to ensure workplace safety regarding personal health and environmental management.*
Hort. 8.5	*Research and analyze how public policy, laws, and advocacy impact agricultural systems and agricultural literacy.*

II. Technology Expectations:

Each student is expected to have access to a computer and internet to complete the course. Should something come up where the student does not have either of these things it is their responsibility to contact the instructor.

IV. Performance Standards

Grades for the course will be based on the following levels of performance and attendance in class:

Grade	Performance Standard
A	**Mastered (Independent) Learner** Did research, designed and planned; applied academic skills; evaluated work and made adjustments; did quality work; needed little help from the teacher; sought found resources independently; demonstrated knowledge with a grade of 94% or higher; can perform course standards and skills independently with no supervision
B	**Semi-independent (Requires Some Supervision) Learner** Did research, designed and planned; needed some help from the teacher; did quality work with a few flaws; needed feedback from the teacher to realize work did not meet standards; redid work to meet standards; demonstrated knowledge and a grade of 87% or higher; can perform standards completely without supervision/training.
C	**Dependent (Requires Close Supervision) Learner** Needed help to research, design, and plan; relied a great deal on the teacher; had to be given procedures for performing tasks; required significant help to produce a quality product; needed help to evaluate a product; final product did meet standards; demonstrated knowledge with a grade of 79% or higher; can perform task with close supervision/training.
D	**Not Mastered Learner** Needed help to research, design and plan or had to be given a plan; relied a great deal on the teacher; had to be given procedures for performing tasks; required significant help to produce a product; needed help to evaluate a product; final product still did not meet standards; demonstrated knowledge with a grade of 70% or higher; requires close supervision and more instruction.
F	**Failure (No Exposure)** Did not complete projects; if projects were completed, they were of such low quality that they did not pass; failed to document procedures; did not show criteria for determining quality; scored 69% or less; not enough experience or knowledge in this area.

II. Grading Procedures:

Instruction will consist of individual hands-on activities and projects, lecture, discussion, reading, writing, self-assessment and the use of technology. The key grading categories will include daily work, projects and tests.

- Projects/tests will be worth 50 or 100 points according to content.
- Each homework assignment (including quizzes) will be worth 20 points.
- All content will be weighted as Projects/Tests will be worth 25%, Participation worth 25%, and Assignments worth 50%.

All assignments/assessments are due on the Sunday of that given week. This includes test, projects and other assignments. Assessments which include short answer questions will need to be hand graded by the instructor so the test score shown on google forms after taking the test is not accurate. Grades will be shared via Google Classroom and with the student's in-classroom teacher.

Course Outline:

Week	Unit	Assignments Due
Week One (Due 9/1)	Introduction Unit One	Exploring Horticulture
Week Two (Due 9/8)	Unit Three	Plant Physiology
Week Three (Due 9/15)	Unit Four	Environmental Requirements
Week Four (Due 9/22)	Unit Four	Soil and Mediums
Week Five (Due 9/29)	Plant Nutrition	Plant Nutrition
Week Six (Due 10/6)	Unit Six	Propagation
Week Seven (Due 10/13)	Unit Sixteen	Pest Management
Week Eight (Due 10/20)	Unit Forty-Nine	Floriculture
Week Nine (Due 10/27)	Unit Thirty-Nine	The Vegetable Garden
Week Ten (Due 11/3)	Unit Thirty-Four	Landscaping
Week Eleven (Due 11/10)	Appendix D	Safety and Tools
Week Twelve (Due 11/17)	Unit Thirty-Five	Turf Grass
Week Thirteen (Due 11/24)	Agricultural Policy	Agricultural Policy
Week Fourteen (Due 12/1)	Unit Fifty-One	Business Operations
Week Fifteen (12/8)	Final Test	Test Review
Week Sixteen (Due 12/15)	Final Test	Final Test

If you have questions or need to meet with me, I'm best reached at my email: Karen.Roudabush@K12.sd.us