

**Richland Community College  
Business & Technology Division**

**MASTER SYLLABUS**

**Course Title:**

Hort. 100 Horticulture Science

**Course Credits:**

3-2-4

**Course Description:**

provides a general background in horticulture plant growth and development. Areas include the production, utilization, and marketing of fruits, vegetables, ornamentals, floriculture, landscaping, turf, and nursery.

Applicable toward graduation where program structure permits:

Certificate or Degree - All Certificates and Degrees

Group Requirement – Natural Sciences (AAS and ALS only)

Area of Concentration – Agriculture

**Course Prerequisite:**

None

**Texts:**

Plant and Soil Science Fundamentals and Applications, Rick Parker  
Cengage, ISBN: 978-1-4283-3480-9

**Course Outcomes:**

Upon successful completion of this course, students can:

1. Understand the significance of horticulture to mankind.
2. Describe the fundamental principles of plant growth.
3. Apply the fundamentals to the solution of practical problems in horticulture.

**Illinois Occupational or Industry Skill Standards:**

1. IL.96.ANR.LT.3-4
2. IL.96.ANR.LT.6-8
3. IL.96.ANR.LT.11

**Core Abilities/SCANS:**

1. Participate as a member of a team
2. Solve problems
3. Make decisions

**Topical Outline:**

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1. The Plant Kingdom
2. Origins of Cultivated Plants
3. Structure of Cultivated Plants
4. Anatomy of Plants

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5. Temperature
6. Light
7. Photosynthesis
8. Respiration
9. Basics of Plant
10. Vegetative Growth
11. Plant Propagation
12. Plant Pests
13. Genetic Engineering and Biotechnology
14. Major Agronomic Crops
15. Cereal Grains, Forage Grasses and Oil Seeds
16. Food Legumes and Forage Legumes
17. Vegetables
18. Small Fruits
19. Fruit and Nut Production
20. Flower and Foliage
21. Sod Production
22. Careers in Plant and Soil Sciences

**Methods of Evaluation:**

Course Portfolio	30%	300 points
Magazine Reports (10)	10%	100 points
Quizzes (4)	10%	100 points
Mid-Term Exam	10%	100 points
Final Exam	20%	200 points
Laboratory Work*	20%	200 points
Total		1000 points

\*Laboratory grades are determined by written laboratory exercises, ability to perform taught skills, clean up after laboratory class, and general attitude during class. Remember that the instructor expects teamwork and excellence in all things.

**Additional Optional Work Credit- Outside of Class Time:**

1. 3 work hours equals 1% grade increase not to exceed 10%.
2. Students must use time clock to track work hours.
3. Time must be approved by instructor.
4. Time cards will be provided.

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5. Optional work could include constructing, painting, designing, office work, weeding , planting, cleaning, organizing, designing displays, sweeping, transplanting, greenhouse sales, flower shop sales, maintaining plants on main campus, use your imagination.

<u>Score weighing:</u>		<u>Score by Points:</u>	
100-93	A	1000-930	A
92-85	B	929-859	B
84-77	C	849-770	C
76-70	D	769-700	D

**Optional Work Credit:** 3 work hours equals 1% grade increase or 10 points not to exceed 10% of your grade.

**RCC Enrollment and Retention Services  
Student Support**

**Admissions and Records Office**

217-875-7211, Ext. 255, C129

Students must be registered in this course through the Admissions and Records Office. If you do not appear on the faculty roster, you will be referred to Admissions and Records to determine why you are not appearing on the roster and are not registered for this course.

If a student is absent for one week plus one day (or less, if specified by the instructor in the course outline), his or her name may be sent to the Admissions and Records Office. Students with unsatisfactory attendance will be sent a "stopped attending" letter.

**Counseling and Career Services** – offers career and personal counseling

C-129

217-875-7211, Ext. 252

**Career and Transfer Center** – offers career assessments, job placement information and transfer information and assistance

C-129

217-875-7211, Ext. 307

**Learning Accommodation Services** – services for students with disabilities

C-133

217-875-7211, Ext. 379

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Students needing accommodations: Richland Community College offers support and accommodations to students with documented disabilities by providing advisement, counseling, adaptive equipment and materials, instructional aids, tutors, note takers, interpreters, and testing accommodations; as well as may individualized services. For more information, students should contact the LAS Office. Documentation of disability is required for all services,

**Student Support Services/TRIO Program** –is a program students can apply to for additional academic and personal support

C-143

217-875-7211, Ext. 440

**Student Success** – provides services for students experiencing academic difficulty

C-129

217-875-7211, Ext. 232

**AWARE:** (Adults who are returning to education) is a program for adult students desiring academic and personal support.

**ESP:** (Emerging Scholars Program) is a program for students who have experienced academic difficulty and desire support to become successful students.

**ISTEP** – services and support for divorced, widowed or separated persons

**Student Learning Center**

Room S117

217-875-7211, Ext. 419

Offers free tutoring to students who may need help with classes or programs. Both peer and faculty tutors are available on an appointment or drop-in basis for many areas including math, biology, chemistry, reading comprehension, study skills, vocabulary building, research, and specific written assignments. Biology and chemistry tutoring is available with hours varying each semester. In cooperation with other academic programs, the SLC may offer study groups each semester. Schedules with locations and time are posted in the Center. Computers with tutorial software and word processing programs are available for student use any time the SLC is open.

**Early Alert:** If at any time the instructor believes that a student is at risk of being unsuccessful in the course; the instructor may notify the Director of the Student Learning Center. Someone from the Student Learning Center staff will contact the student to suggest assistance options.

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**Testing Center:**

217-875-7211, 238, W124

Provides testing services for placement in English, mathematics, and health courses. Proctors also administer CLEP and DAN TES, proficiency tests, correspondence tests from other universities, and make-up tests for classes with the permission of the instructor, Constitution Test, GED practice and Constitution tests.

**Developer:** David McLaughlin

**Dev/Rev Date:** 4/15/03