COMMON COURSE OUTLINE: Course discipline/number/title: HORT 1315: Plant Materials I-Woody Plants

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 3
3. Prerequisites (Course discipline/number): ENGL 0980 and MATH 0093
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course covers the characteristics and identification of deciduous and evergreen trees and shrubs grown in the upper Midwest. A thorough knowledge of native and commercial plant materials is vital background to any horticultural occupation. Particular attention is placed upon identification of the plant materials and the classification of these materials according to cultural and landscape use characteristics.

B. DATE LAST REVISED (Month, year): January, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:
A thorough knowledge of native and commercial plant materials is a vital background to any horticultural occupation. This course covers the characteristics and identification of deciduous and evergreen trees and shrubs grown in the upper Midwest. Particular attention is placed upon identification of the plant materials and the classification of these materials according to cultural and landscape use characteristics. The listed species in the course goals may vary, however, will be complete for our area.

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Describe plant taxonomy concepts.
2. Describe vegetative characteristics.
3. Describe flower-fruit characteristics.
4. Describe landscape value-use characteristics.
5. Describe texture, form, color characteristics.
6. Describe plant material sizing characteristics.
7. Describe plant material disorders.
8. Describe plant material cultural requirements.
9. Describe plant material maintenance requirements.
10. Describe plant hardiness classifications.
11. Describe plant material propagation methods.
12. Identify Acer-Amelanchier species.
13. Identify Betula-Celtis species.
15. Identify Fraxinus-Ginkgo-Gleditsia species.
17. Identify Malus species.
18. Identify Ostrya-Phellodendron-Populus species.
19. Identify Prunus-Quercus-Salix species.
20. Identify Syringa-Tilia-Ulmus species.
22. Identify Berberis Caragana-Cornus species.
23. Identify Diervilla-Euonymous-Forsythia species.
25. Identify Lonicera-Philadelphus-Physocarpus species.
26. Identify Potentilla-Prunus species.
27. Identify Rhamnus-Rhus-Ribes species.
28. Identify Rhododendron-Rosa species.
29. Identify Salix-Sambucus-Sheperdia species.
30. Identify Sorbaria-Spiraea-Symphoricarpus species.
31. Identify Syringa-Tamarix species.
32. Identify Weigela-Viburnum species
33. Identify Thuja species.
D. LEARNING OUTCOMES (GENERAL): Continued. . . The student will be able to:
34. Identify Juniperus chinensis species.
35. Identify Juniperus procumbens species.
36. Identify Juniperus horizontalis species.
37. Identify Juniperus Sabina species.
38. Identify Juniperus squamata species.
39. Identify Juniperus scopulorum species.
40. Identify Taxus species.
41. Identify Microbiota species.
42. Identify Tsuga species.
43. Identify Psedtosuga species.
44. Identify Larix species.
45. Identify Abies species.
46. Identify Pidcea species.
47. Identify Pinus species.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Tests
   2. Quizzes
   3. Lab work
   4. Other assignments
   5. Class participation

G. SPECIAL INFORMATION (if any):
   Tuition Differential