DATE SUBMITTED
DATE DICC APPROVED 4/27/10
DATE LAST REVIEWED Oct. 7, 2009

CATALOG INFORMATION FORM

DISCIPLINE
Agribusiness

COURSE TITLE
Landscape Design and Maintenance

CR. HR. 3  LECT HR. 2  LAB HR. 2  CLIN/INTERN HR.  C.L O C K H R.

CATALOG DESCRIPTION

Introductory landscape design, including site analysis, preparation and maintenance procedures. Emphasis is on residential design and small public areas, appropriate materials and resources.

PREREQUISITES
None

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Describe different basic landscape design principles.
2. Perform landscape site analysis and assessment.
3. Create hand drawn landscape design.
4. Demonstrate basic skills of computer aided design software.
5. Explain and demonstrate proper land management procedures.
GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.
1. Student will demonstrate skills necessary to identify and recommend ornamental plant materials appropriate for use in regional landscaping, including some native to Missouri.
2. Students will develop and demonstrate the ability to communicate clearly and effectively with others.
3. Students will apply essential math skills and use formulas appropriate in landscape projects.
4. Students will increase familiarity with appropriate resources to advance knowledge and network within their field of employment or as entrepreneurs.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written report (Outcomes 1, 2, 5)
2. Hand drawn landscape design (Outcome 3)
3. Computer generated design (Outcome 4)
4. Exams (Outcomes 1, 2, 5)
5. Field demonstration (Outcome 5)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Landscape design, tools of the trade
   A. Comparison of drawing tools and appropriate paper for stages of design
   B. Measuring tools for site evaluations
   C. Computer assisted design software options

II. Landscape graphics
   A. Use of templates and hand drawn symbols representing landscape features
   B. Standard symbols typically used in computer assisted designs

III. Defining landscape design and the foundations that shape the design process
   A. Aesthetic and functional components of landscape design
   B. Universal design principles
   C. Stages of the design process
   D. Discussion of common misconceptions

IV. Principles of design, description and application
   A. Elements of art used in landscape design
   B. Aesthetic principles influencing landscape preferences
   C. Application of concepts to meet functional needs of people and sites

V. Landscape design process
   A. Making a base plan
   B. Site inventory and evaluation
   C. Communication skills and roles of the designer/salesperson
   D. Development stages of proposal and plans

VI. Plant selection, blending form with function
   A. Review of common plant materials and their forms
   B. Blending aesthetics with practical needs and problem-solving
   C. Incorporating concepts of sustainability in the landscape

VII. Hardscapes, selection and use
   A. Defining and reviewing common hardscape elements
   B. Understanding the ground plane, vertical plane, and overhead plane

VIII. Pricing the proposed project
   A. Pricing strategies for landscape design and installation services
   B. Estimating, bidding, contracts, and costs of business operations and materials