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Fall 9-2004

### BME 126T.01: Ancillary Services

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THE UNIVERSITY OF MONTANA MISSOULA  
COLLEGE OF TECHNOLOGY  
INDUSTRIAL TECHNOLOGY DEPARTMENT

COURSE SYLLABUS

**COURSE NUMBER AND TITLE:** BME 126T Ancillary Services

**DATE REVISED:** February 2004

**SEMESTER CREDITS:** 4

**CONTACT HOURS PER SEMESTER:** 90

Lecture hours per week: 6

Lab hours per week: 0

Shop hours per week: 6

**PREREQUISITES:** None

**INSTRUCTOR:** John Walker

**E-MAIL:** john.walker@mso.umt.edu

**PHONE:** (406) 243-7645

**OFFICE LOCATION:** T&T II, West Campus

**OFFICE HOURS:** To be announced

**RELATIONSHIP TO PROGRAM:**

This course gives the Building Maintenance Engineers the basic knowledge to maintain landscape, maintain and operate therapy or swimming pools, and maintain the cleanliness and appearance of buildings.

**COURSE DESCRIPTION:** Maintenance principles pertaining to lawns, groundcovers, trees, swimming pools, and building cleaning. Emphasis is placed on safe application of chemicals and maintenance frequency.

**STUDENT PERFORMANCE OUTCOMES:**

Occupational Performance Objectives

Life-Long Learning Skill Codes\*

[Include Code and Number]

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

1. Understand the basic concepts of building cleaning, landscape maintenance, and pool care.
2. Select the correct tools for the required task.
3. Maintain and repair the included systems.

BSKL13, THINK3456, PQ14, RSRC1, IPS5, INFO12, SYS1

BSKL4, THINK246, PQ14, RSRC3, INFO12, SYS12

BSKL12345, THINK123456, PQ12345, RSRC1234, IPS12345, INFO1234, SYS123, TECH123

4. Understand the dangers and requirements of chemical handling.

BSKL124, THINK356, PQ145,  
RSRC3, IPS35, INFO1234, SYS1  
TECH123

### STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES:

#### Grading Scale:

90% - 100% = A  
80% - 89% = B  
70% - 79% = C  
60% - 69% = D  
less than 60% = F

#### Grade Breakdown:

Tests 75% (Lawn test, Pool Care test, Building Cleaning test)  
Lab Project 15% (Based on quality of work and difficulty of project)  
Attendance 10% (Attendance will be taken at the beginning of class and lab. If you are not there at that time you will be marked absent.)

#### Notes:

1. Tests will be as required.
2. Late tests will be reduced one letter grade.
3. Late tests will not be accepted after one week.
4. Safety glasses are required when in the lab.
5. Lab project materials are required.

### HOW VARIOUS ASSESSMENT METHODS WILL BE USED TO IMPROVE THE COURSE:

1. Student course evaluations
2. Peer feedback
3. Advisory committee feedback

**REQUIRED TEXT:** Lawns by Lane Publishing  
Swimming Pools by Lane Publishing

**REQUIRED REFERENCE MATERIALS:** Building Cleaning, Pruning, and Groundcover Handouts

### COURSE OUTLINE:

- I. Building Cleaning
  - A. Tools
  - B. Supplies
  - C. Techniques

- II. Landscape Maintenance
  - A. Lawns
  - B. Trees
  - C. Shrubs
  - D. Sprinkler systems
  
- III. Pool Maintenance
  - A. Cleaning
  - B. Water treatment
  - C. Repairs

*Life-Long Learning Skills Codes and Numbers	
<p style="text-align: center;"><b>FOUNDATIONAL SKILLS:</b></p> <p><b>BASIC SKILLS [BSKL]</b></p> <ol style="list-style-type: none"> <li>1. Reading</li> <li>2. Writing</li> <li>3. Arithmetic/Mathematics</li> <li>4. Listening</li> <li>5. Speaking</li> </ol> <p><b>THINKING SKILLS [THINK]</b></p> <ol style="list-style-type: none"> <li>1. Creative Thinking</li> <li>2. Decision Making</li> <li>3. Problem Solving</li> <li>4. Mental Visualization</li> <li>5. Knowing How to Learn</li> <li>6. Reasoning</li> </ol> <p><b>PERSONAL QUALITIES [PQ]</b></p> <ol style="list-style-type: none"> <li>1. Responsibility</li> <li>2. Self-esteem</li> <li>3. Sociability</li> <li>4. Self-management</li> <li>5. Integrity/Honesty</li> </ol>	<p style="text-align: center;"><b>COMPETENCIES:</b></p> <p><b>RESOURCES [RSRC]</b></p> <ol style="list-style-type: none"> <li>1. Manages Time</li> <li>2. Manages Money</li> <li>3. Manages Materials and Facility Resources</li> <li>4. Manages Human Resources</li> </ol> <p><b>INTERPERSONAL SKILLS [IPS]</b></p> <p>Participates as Member of a Team</p> <ol style="list-style-type: none"> <li>1. Teaches Others</li> <li>2. Serves Clients and Customers</li> <li>3. Exercises Leadership</li> <li>4. Negotiates to Arrive at a Decision</li> <li>5. Works with Diversity</li> </ol> <p><b>INFORMATION [INFO]</b></p> <ol style="list-style-type: none"> <li>1. Acquires and Evaluates Information</li> <li>2. Organizes and Maintains Information</li> <li>3. Interprets and Communicates Information</li> <li>4. Uses Computers to Process Information</li> </ol> <p><b>SYSTEMS [SYS]</b></p> <ol style="list-style-type: none"> <li>1. Understands Systems</li> <li>2. Monitors and Corrects Performance</li> <li>3. Improves and Designs Systems</li> </ol> <p><b>TECHNOLOGY [TECH]</b></p> <ol style="list-style-type: none"> <li>1. Selects Technology</li> <li>2. Applies Technology</li> <li>3. Maintains and Troubleshoots Technology</li> </ol>

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