Fall 9-2004

BME 126T.01: Ancillary Services

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University of Montana - Missoula

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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:

<table>
<thead>
<tr>
<th>Occupational Performance Objectives</th>
<th>Life-Long Learning Skill Codes*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[Include Code and Number]</td>
</tr>
</tbody>
</table>

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

1. Understand the basic concepts of building cleaning, landscape maintenance, and pool care.  BSKL13, THINK3456, PQ14, RSRC1, IPS5, INFO12, SYS1

2. Select the correct tools for the required task.  BSKL4, THINK246, PQ14, RSRC3, INFO12, SYS12

3. Maintain and repair the included systems.  BSKL12345, THINK123456, PQ12345, RSRC1234, IPS12345, INFO1234, SYS123, TECH123
4. Understand the dangers and requirements of chemical handling.  

**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:**

1. 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
<table>
<thead>
<tr>
<th>FOUNDATIONAL SKILLS:</th>
<th>COMPETENCIES:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BASIC SKILLS [BSKL]</strong></td>
<td><strong>RESOURCES [RSRC]</strong></td>
</tr>
<tr>
<td>1. Reading</td>
<td>1. Manages Time</td>
</tr>
<tr>
<td>2. Writing</td>
<td>2. Manages Money</td>
</tr>
<tr>
<td>3. Arithmetic/Mathematics</td>
<td>3. Manages Materials and Facility Resources</td>
</tr>
<tr>
<td>4. Listening</td>
<td>4. Manages Human Resources</td>
</tr>
<tr>
<td>5. Speaking</td>
<td></td>
</tr>
<tr>
<td><strong>THINKING SKILLS [THINK]</strong></td>
<td><strong>INTERPERSONAL SKILLS [IPS]</strong></td>
</tr>
<tr>
<td>1. Creative Thinking</td>
<td>Participates as Member of a Team</td>
</tr>
<tr>
<td>2. Decision Making</td>
<td>1. Teaches Others</td>
</tr>
<tr>
<td>3. Problem Solving</td>
<td>2. Serves Clients and Customers</td>
</tr>
<tr>
<td>4. Mental Visualization</td>
<td>3. Exercises Leadership</td>
</tr>
<tr>
<td>5. Knowing How to Learn</td>
<td>4. Negotiates to Arrive at a Decision</td>
</tr>
<tr>
<td>6. Reasoning</td>
<td>5. Works with Diversity</td>
</tr>
<tr>
<td><strong>PERSONAL QUALITIES [PQ]</strong></td>
<td><strong>INFORMATION [INFO]</strong></td>
</tr>
<tr>
<td>1. Responsibility</td>
<td>1. Acquires and Evaluates Information</td>
</tr>
<tr>
<td>2. Self-esteem</td>
<td>2. Organizes and Maintains Information</td>
</tr>
<tr>
<td>3. Sociability</td>
<td>3. Interprets and Communicates Information</td>
</tr>
<tr>
<td>5. Integrity/Honesty</td>
<td></td>
</tr>
<tr>
<td><strong>SYSTEMS [SYS]</strong></td>
<td><strong>TECHNOLOGY [TECH]</strong></td>
</tr>
<tr>
<td>1. Understands Systems</td>
<td>1. Selects Technology</td>
</tr>
<tr>
<td>3. Improves and Designs Systems</td>
<td>3. Maintains and Troubleshoots Technology</td>
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</tbody>
</table>