**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

1. **GENERAL COURSE INFORMATION**

Course Number: MLTR 1039

Course Title: Building Maintenance for Military Facilities

Credit Hours: 2 Credit Hours

Division and Discipline: Military Programs

Course Description: This course will provide instruction to military service members and Department of

Defense employees in the proper procedures and techniques necessary to perform facility maintenance and upkeep. Course includes administrative requirements and procedures on use of military forms and records, basic tools, masonry repair, painting, minor sheet rock repair, tile replacement, proper use of building materials, carpentry, minor plumbing, and electrical maintenance.

1. **INSTRUCTOR INFORMATION**
2. **COLLEGE POLICIES**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage.)

Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at [disabilityservices@bartonccc.edu](mailto:disabilityservices@bartonccc.edu).

1. **COURSE AS VIEWED IN TOTAL CURRICULUM**

This course serves as an introduction to unit management of real property maintenance. The class provides Military and DOD Personnel with information and hands on experience in maintaining barracks, administration buildings, hangers and motor pool buildings.

1. **ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies

1. Identify policies regarding building maintenance.

1. Explain Public Works (P.W.) Nuts and Bolts Book

2. Explain Fort Riley Regulation 420-70

1. Identify the responsibilities of the Self Help Teams.

1. Identify Commander Responsibilities

2. Identify Public Works Responsibilities

3. Identify Self Help Team Responsibilities

1. Define procedures in procuring materials or support in maintenance
   1. Prepare DA Form 4283 (work order request)
   2. Submit service order request (Electronically)
2. Explain workshop safety
   1. Identify and use hand tools
   2. Apply proper housekeeping procedures
3. Demonstrate how to repair, and build window screening,
   1. Identify the three types of screens and the two types of screen frames
   2. Build a screen frame and install aluminum screen
4. Repair doors, door hardware, and locks.
   1. Identify different types of doors and door sizes
   2. Identify different types of lock sets
   3. Install and adjust lock sets
   4. Install door sweeps
   5. Install batteries in electronic door locks
5. Install vinyl baseboards
   1. Identify proper adhesive for vinyl baseboards
   2. Cut vinyl Base boards
6. Complete repairs in walls and ceilings
   1. Demonstrate measuring techniques
   2. Cut sheet rock to proper size
   3. Identify and discuss placement of the three standard thickness of sheet rock
   4. Estimate a bill of material
   5. Repair damaged wall using sheet rock
   6. Measure and cut different sizes of diffusers for ceiling lights
7. Complete minor electrical repair
   1. Identify proper wattage of light bulb for the different fixtures
   2. Demonstrate how to reset breaker switches
   3. Install batteries in emergency lights, and exit lights
8. Complete repairs in plumbing, in fresh water and waste water systems
   1. Demonstrate drain clearing with plungers
   2. Demonstrate how to tighten faucets handles
9. Complete minor repairs in restroom hardware
   1. Demonstrate how to install toilet paper holders
   2. Demonstrate how to install soap dishes
10. Evaluate and estimate material usage necessary to paint correctly
    1. Identify different types of paint
    2. Demonstrate how to properly apply paint to different surfaces
    3. Estimate quantity of paint
11. Demonstrate knowledge in Energy Waste Reduction Measures.
    1. Identify ways to conserve energy
    2. Prepare building deficiency list for energy conservation
    3. Demonstrate energy conservation
12. Identify different types of lumber and sheeting material
    1. Identify types of lumber used for interior and exterior repair and construction
    2. Identify different sizes, grades and types of plywood

**VI. INSTRUCTOR’S EXPECTATIONS OF STUDENTS IN CLASS**

1. **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

1. **REFERENCES**

1. **METHODS OF INSTRUCTION AND EVALUATION**

**X. ATTENDANCE REQUIREMENTS**

**XI. COURSE OUTLINE**