BARTON COMMUNITY COLLEGE

**COURSE SYLLABUS**

### GENRAL COURSE INFORMATION

Course Number: MLTR 1922

Course Title: Transportation, Handling, and Storage of Explosive Materials

Credit Hours: 3

Division and Discipline: Military Programs

Course Description: This purpose of this course is to provide the student with the information pertaining to the responsibilities of management of munitions and explosive materials in the workplace. It includes an overview of a munitions operation and maintenance program and provides information for establishing work priorities and procedures for usage and protection. Information will be provided for developing plans and adequate record systems. Other areas to be stressed are the needs for organizational leadership and compliance to governmental regulations and the effective communication of the areas.

1. **CLASSROOM POLICY**

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, which is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

The college reserves the right to suspend a student for conduct, which is detrimental to the college’s educational endeavors as outlined in the college catalog.

Academic dishonesty on any academic endeavor at Barton Community College will not be tolerated.

Anyone seeking accommodation under provisions of the Americans with Disabilities Act should notify the instructor and the BCC Coordinator of Instructional Services.

Please visit the BCC Fort Riley website at <http://fr.bartonccc.edu> for specific college policy and notices concerning: Non-Discrimination, Civil Rights act of 1964, Family Education Rights Act (FERPA), Privacy Act, Sexual Harassment, Academic Clemency Policy, and Academic Suspension.

Student grievance procedures: Barton Community College policy is to secure, at the lowest possible level, equitable solutions to problems, which may arise during the conduct of our Troop School programs. Students’ academic concerns that cannot be resolved with the course instructor should be directed to the Program Manager BCC Fort Riley Military Programs, (785) 239-9769 or Director of Military Programs BCC (785) 238-8550.

### COURSE AS VIEWED IN TOTAL CURRICULUM

This course serves as an introduction to unit management in the transportation, security, and usage of munitions and explosive materials at all levels. The class provides the students the opportunity to gain knowledge in the requirements for communicating chemical and physical hazards that munitions and explosives possess during transportation, storage, and handling procedures and other various operations.

1. **ASSESSMENT OF STUDENT LEARNING/COURSE OUTCOMES**

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

1. Identify the characteristics of high and low explosives and the various chemical fillers.
2. Identify the standards for recognizing and communicating the potential hazards of explosive materials for transportation and storage.
3. Discuss the procedures that are used to manage and account for the usage of ammunitions and explosive materials.
4. Discus the safety practices that is used in all ammunition and explosive operations.
5. Identify the preparations required for transporting ammunition and explosive materials.
6. Discuss and identify how ammunition and explosives becomes munitions waste.
7. Discuss the requirements for guarding and protecting ammunition and explosive materials.
8. **COURSE COMPETENCIES**
9. Identify the characteristics of high and low explosives and the various chemical fillers.
10. Describe the characteristics and effects of high explosives.
11. Describe the characteristics and uses of low explosives.
12. Identify the uses and characteristics of chemical fillers used in explosive materials.
13. Identify the standards for recognizing and communicating the potential hazards of explosive materials for transportation and storage.
14. Prepare the shipping documents used for transporting ammunition and explosives.
15. Use and identify the markings on packages containing ammunition and explosive.
16. Use and identify the hazard warning labels on packages containing ammunition and explosives.
17. Describe and identify the hazard warning placards on vehicles that are transporting ammunition and explosive materials.
18. Discuss the procedures that are used to manage and account for the usage of ammunitions and explosive materials.
19. Identify and prepare the forms used for tracking and maintaining accountability.
20. Identify the factors for requesting ammunition and explosives.
21. Identify the factors.

### Discus the safety practices that is used in all ammunition and explosive operations.

1. Identify the first aid measures that will be taken for injuries caused by ammunition and explosives.
2. Identify the self-protection measures to prevent personal injuries.
3. Identify the actions that will be taken for a fire involving ammunition and explosives.
4. Identify the preparations required for transporting ammunition and explosive materials.
5. Determine the segregation and compatibility for storage and transportation of ammunition and explosive materials.
6. Demonstrate and determine the proper packaging requirements for ammunition and explosive materials.
7. Discuss and identify how ammunition and explosives becomes munitions waste.
8. Identify the organizations that regulate and inspect waste munitions.
9. Identify the establishment and the applicability of the military munitions rule.
10. Define the terms that apply to waste munitions.
11. Identify the requirements for guarding and protecting ammunition and explosive materials.
12. Discuss the factors for establishing physical security for ammunition and explosives.
13. Discuss the requirements that are needed to provide physical security for ammunition and explosives.
14. **INSTRUCTOR EXPECTATIONS OF STUDENTS IN CLASS**
15. **TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE**
16. **REFERENCES**
17. **METHODS OF INSTRUCTION AND EVALUATION**
18. **ATTENDANCE REQUIREMENTS**
19. **COURSE OUTLINE**