

**BARTON COUNTY COMMUNITY COLLEGE
COURSE SYLLABUS**

I. GENERAL COURSE INFORMATION

Course Number: MLTR 1046
Course Title: Field Sanitation for Military Units
Credit Hours: 3 Credit Hours
Prerequisites: None
Division and Discipline: Military Programs
Course Description: This course provides students the basic, informative knowledge and practical training necessary to keep people healthy when local infrastructure is not available. Students will be trained to use Preventive Medical Measures (PMM) to keep people healthy in environments without infrastructure.

II. INSTRUCTOR INFORMATION

III. COLLEGE PROCEDURES

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.

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's 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 provisions of the Americans with Disabilities Act (ADA) is to notify Student Support Services via email at disabilityservices@bartonccc.edu.

IV. COURSE AS VIEWED IN TOTAL CURRICULUM

Information is presented in a structured sequence learning environment. This course is designed to introduce and prepare students to meet the requirements

needed to be a Field Sanitation Team Operator within an organization consisting of approximately 120 to 240 people. This course addresses the regulatory, technical requirements and skills needed to function as a Field Sanitation Team Operator and Field Sanitation Team Leader in environments where local infrastructure does not exist or cannot be utilized. Student must understand the basic concepts well enough to synthesize the information and apply it to situations and environments they have never encountered.

V. ASSESSMENT OF STUDENT LEARNING

Barton County 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, and in finding ways to improve student learning.

Course Outcomes, Competencies and Supplemental Competencies:

- A. Demonstrate effective personal hygiene and preventive medicine measures
 - 1. Demonstrate proper hand washing procedures
 - 2. Demonstrate methods for cleaning uniforms
 - 3. Demonstrate how to inspect footwear for serviceability
 - 4. Demonstrate proper foot care

- B. Evaluate water containers
 - 1. Cleanliness
 - 2. Serviceability

- C. Test and treat water sources while in the field
 - 1. Treat water in a 1000 gallon Hippo
 - 2. Test water in a 400 gallon water trailer
 - 3. Treat water in a 400 gallon water trailer
 - 4. Treat water in a 5 gallon can
 - 5. Treat water in a 1 and 2 quart canteen
 - 6. Treat water in a Camelbac

- D. Demonstrate how to prevent food contamination during field operations
 - 1. Inspect food service trailer
 - 2. Inspect food service personnel
 - 3. Discuss requirements for wash station and set up wash station

- E. List & Identify proper methodology of waste disposal during field operations
 - 1. Demonstrate how to dispose of Garbage and rubbish
 - 2. Demonstrate how to dispose of Liquid waste
 - 3. Demonstrate how to dispose of Human waste

- F. Use of rodent equipment found in the Field Sanitation Kit
 - 1. Demonstrate how to use and place rodenticide effectively
 - 2. Demonstrate how to use and place rodent snap traps
 - 3. Demonstrate how to conduct rodent surveys
 - 4. Demonstrate how to dispose of dead rodents

- G. Identify how to prevent & treat environmental injuries
 - 1. Demonstrate how to prevent cold injuries
 - 2. Demonstrate treatment of cold weather injuries

- H. Demonstrate how to mitigate Toxic Industrial Materials (TIMS) hazards
 - 1. Identify TIMS used in the work place
 - 2. Identify personal protective equipment needed to prevent TIMS injuries
 - 3. Demonstrate safety procedures when handling and disposing of TIMS

- J. Demonstrate how to prevent hearing loss
 - 1. Identify when and where hearing protection should be utilized
 - 2. Demonstrate how to wear hearing protection correctly
 - 3. How to integrate hearing loss prevention into daily activities

- K. Prevent Arthropod borne Diseases
 - 1. Demonstrate how to interrupt the arthropod life cycle
 - 2. Demonstrate how to prevent exposure to arthropod diseases by using the DOD Arthropod Repellent System

- L. Demonstrate how to safely inspect, utilize and operate a 2 gallon sprayer
 - 1. Cleaning sprayer
 - 2. Disassembly of sprayer
 - 3. Inspection and Replacement of worn sprayer parts
- M. Inspect a Field Sanitation Kit
 - 1. Inspect for accountability and serviceability
 - 2. Inspect for correct quantity

V. INSTRUCTOR EXPECTATION OF STUDENTS IN CLASS

Each student is expected to attend every class session, read text, or reference material as assigned, participate in group discussions, complete all homework, practical exercises and complete all testing procedures on time.

VI. TEXT AND OTHER REQUIRED MATERIALS

US Army Field Sanitation Team Certification Sub course Med 153, November 2014

US Army Field Sanitation Team Certification Instruction Manuel MED 153 Instructor Manuel, November 2014

Information furnished by First Infantry Division Preventive Medical Officer

and class instructor.

VII. REFERENCE

Military Schools CD, Student Field Sanitation Hand Out
AR 40-5, Preventive Medicine, 25 May 2007
AR 200-1, Environmental Protection and Enhancement, 13 Dec 2007
AR 350-1, Army Training and Leader Development, 19 Aug 2014
DA Pam 40-11, Preventive Medicine, 19 Oct 2009
DA Pam 40-501, Hearing Conservation Program, 8 Jan 2015
DA Pam 40-503, The Army Industrial Hygiene Program, 2 Apr 2013
ATP 3-34.5 Environmental Considerations
ATP 4-02.3, Army Health Systems Support to Maneuver Forces, 9 Jun 2014
ATP 4-25.12, Unit Field Sanitation Teams, 30 Apr 2014
ATP 4-02.42, Army health system support to stability and defense support of civil authorities tasks
ATP 4-02.55, Army Health System Support Planning, 16 Sep 2015
ATP 4-02.82, Occupational and Environmental Health Site Assessment, Apr 2012
TG 317, technical guide for collection of environmental sampling data related to environmental health site assessments for military deployments
ATP 4-44 Water Support Operations
FM 4-02, Army Health System, 26 August 2013
FM 4-02.7 (FM 8-10-7) Multiservice tactics, techniques and procedures for health service support in chemical, biological, radiological and nuclear environment
FM 4-02.17, Preventive Medicine Services, 28 August 2000
FM 4-02.18, Veterinary Service Tactics, Techniques and Procedures, 30 Dec 2004
STP 8-91Q15-SM-TG, soldier's manual and trainer's guide, MOS 91s, preventive medicine specialist, skill levels 1/2/3/4/5
TB Med 507, Heat Stress Control and Heat Casualty Management, 7 Mar 2003
TB Med 508, Prevention and Management of Cold Weather Injuries, 1 Apr 2005
TB Med 530, Tri-Service Food Code, 30 Apr 2014
TB Med 561, Pest Surveillance, 1 Jun 1992
TB Med 575, Recreational Water Facilities, 4 Mar 2015
TB Med 576, Sanitary control and surveillance of water supplies at fixed installations, 15 Mar 1982
TB Med 577, Sanitary Control and Surveillance of Field Water Supplies, 1 May 2010
TB Med 593, Guidelines for Field Waste Management, 15 Sep 2006
Med 153, Field Sanitation Team Training course book, Aug 2014
USAPHC TG 230, Environmental Health Risk Assessment and Chemical Exposure Guidelines for Deployed Military Personnel: Military Exposure Guidelines, Dec 2013
USAPHC TG 248, Guide for Deployed Preventive Medicine Personnel on Health Risk Management, Oct 2010
TC 4-02.3 Field Hygiene and Sanitation, May 2015

VIII. METHODS OF INSTRUCTION AND EVALUATION

Each topic is introduced through lecture, power point and selected exercises from the above references and course materials. This course will stress instructional methodology that provides experiential learning where possible, consisting of didactic, simulations and multiple practical exercises. All practical exercises and home work will be completed to satisfactory standards and turned in on time. Otherwise the student failed to meet the course completion requirements. The final grade will be based upon one comprehensive written examination of Field Sanitation knowledge.

90% - 100%=A

80%-89%%=B

70%-79%= C

Students **MUST** pass final examination with a minimal written score of 70%. Student will not successfully pass this course should they fail to turn in homework or fail to complete any practical exercise.

IX. ATTENDANCE REQUIREMENTS

Students are not permitted to miss a class. Attendance for all scheduled classes is an obligation assumed by each student at time of registration. It is the student's responsibility to fulfill all the requirements of a course as prescribed by the syllabus. Student is required to bring to the instructor's attention any extenuating circumstances preventing them from attending class, i.e., personal emergency, death in the family, etc. It is the student's responsibility to go through their proper chain of command to withdraw from this class in which they are enrolled at Military Schools. YOur instructor cannot drop you from the class.

X. COURSE OUTLINE

DAY ONE

Administration, Introduction, Overview, Pre-Test	1 hour
Medical Threat and PMM	1 hour
Composite Risk Management Development (Activity)	1 hour
Personal Hygiene and PMM	1.5 hour
Personal Hygiene (Activity)	0.5 hours
Noise Hazards and PMM Preventing hearing loss	1.0 hours
Power Point Development (Field Sanitation topic)	1.0 hour

DAY TWO

Noise Hazards and PMM Preventing hearing loss	1.0 hours
Water Supply in the Field	3.0 hours
Disinfect Water Supply in the Field (Activity)	0.5 hours
Inspect Water Trailer (Activity)	0.5 hours
Food Service Sanitation in the Field	1.5 hours
Inspection of Field Kitchen (Activity)	0.5 hours

(Homework, Development of PP Presentation & Waste Management)

DAY THREE

Waste Disposal in the Field	1.0 hours
Noise Hazards and PMM Preventing hearing loss	2.0 hours
Waste Disposal in the Field	3.0 hours
Arthropods and the Diseases They Carry	2.0 hours

(Homework, Development of PP Presentation)

DAY FOUR

Management of Arthropods through PMM	3.0 hours
Management of Arthropods using both Chemical and Non-Chemical methods	3.0 hours
Use of IDAA kit and pesticide spray can (Activity)	0.5 hours
2 Gallon Sprayer usage (Activity)	0.5 hours
Zika Virus Overview & How it Relates to FSTs	0.5hours

(Homework, Development of PP Presentation)

DAY FIVE

Identifying hazardous plants, snakes, etc. indigenous to Fort Riley	0.5 hours
Identify hazardous animals, plants, spiders, etc. indigenous to Kuwait/Iraq	0.5 hours
Identifying plants, spiders, etc. indigenous to Afghanistan	1.0 hour
Identifying Rodents, Diseases and Pests They Carry	1.5 hours
Introduction to utilizing Rodent Management Equipment (Activity)	1.0 hours
Prevention of Heat Injuries	2.5 hours
Use of the Wet Bulb, Globe Temperature (WBGT), (Activity)	0.5 hours

(Homework, Development of PP Presentation)

DAY SIX

Identify Toxic Industrial Materials (TIMS)	1.0 hours
Prevention of Cold Injuries	2.0 hours
Power Point Presentations (Activity)	1.5 hours
Creating an Equipment List & Shortage Report (Activity)	2.0 hours
Final Examination	1.0 hours