

Medical Education and Training Campus (METC)

METC Preventive Medicine Program

Army 322-68S10 Preventive Medicine Specialist (68S)
Navy B-322-0012 Preventive Medicine Technician (HM-8432)

Curriculum Plan



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Medical Education and Training Campus
Fort Sam Houston, Texas 78234
Effective Date: 17 October 2012

Supersedes:
Curriculum Plan, METC Preventive Medicine Program, dated 01 July 2011

Program Approval Authority:

ARMY:

As authorized by Dean, Academy of Health Sciences US Army Medical Department Center and School,
Fort Sam Houston, TX 78234

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Approval Date:

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NAVY:

As authorized by Commanding Officer, Navy Medicine Manpower, Personnel Training and Education
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Approval Date:

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METC:

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Implementation Date: 17 October 2012

Approval Date:

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Change Record

Item to Change	Description	Date Approved

Section 1: General Program Information

Program Description:

The Preventive Medicine Program provides training in food service sanitation, medical threat briefings, water and wastewater concepts, industrial hygiene (IH), support operations (SO), entomology and deployment environmental surveillance programs, microbiology, epidemiologic investigations, public health administration, mathematics and statistical concepts.

Lecture, demonstration, online materials, simulations, laboratory practice, and practical exercises are utilized during training. Quality control and safety techniques are emphasized throughout the program.

The instructional design for this program is a combination of Group Lock Step and Self Paced.

Program Goal(s):

The Preventive Medicine Program prepares graduates to function independently in preventive medicine specialty areas; performing public health functions as entry-level specialists/technicians, in fixed or deployable assets, in support of full spectrum military operations to positively affect the overall health of assigned populations, as required.

Certifications:

DoD Pesticide Applicator Certification categories number 7, 8, and 9.
Certified Environmental Health Technician (CEHT) Certification
ServSafe Food Safety Manager
Ship Sanitation Control Program Certification (SSCP)

Security Classification: Unclassified

Accreditation Statement(s):

This program will be submitted to the American Council on Education (ACE) for evaluation of credit hours. Additional accreditation information can be located by accessing the following internet sites:

Commission on Accreditation of Allied Health Education Programs (CAAHEP)
www.caahep.org

Council on Occupational Education (COE) www.council.org

Student Prerequisites:

Army-Specific: See AR 614-200, DA PAM 611-21, and ATRRS MOS Prerequisites.
<https://www.attrs.army.mil>

Navy-Specific: See Catalog of Navy Training Courses (CANTRAC).
<https://www.netc.navy.mil/Development.aspx>

Program Synopsis by Course:

This program consists of multiple courses, identified with either an “A” or “N” after the course identification. This notation indicates a service-specific course. All service-specific and consolidated course requirements must be completed, for your assigned service, to successfully pass this program. Due to the unique scheduling of the program’s course, the instructor to student ratios for the specific services are identified below:

Didactic	1:21 Navy	1:36	Army
Labs/Practical	5:21 Navy	6:36	Army
Written Test	2:21 Navy	1:36	Army
Performance Test	5:21 Navy	6:36	Army

PH 101-N Public Health Administration

Course Description: This course provides an introduction to the scope of Public Health Administration; its history and the mission of Naval Preventive Medicine. This course also provides familiarization to personal computer skills, Naval directives/correspondence, and Shipboard Non-tactical Automated Data Processing System (SNAPS) automated functions.

Prerequisite(s): None

MBIO 201-N Microbiology

Course Description: This course provides an introduction to the scope of microbiology with an emphasis on culturing, isolating, and identifying bacteria and organisms affecting the health of military and civilian personnel.

Prerequisite(s): None

MATH 201-N Biostatistics

Course Description: The course presents the principles and methods of data description and elementary statistical analysis.

Prerequisite(s): None

PREV 101-N Epidemiology and Communicable Disease Control

Course Description: This course provides an introduction to epidemiology and disease control, with an emphasis on communicable disease prevention, conducting epidemiological investigations, and proper reporting procedures.

Prerequisite(s): MATH 201-N.

COMM 103-N Instructional Methods

Course Description: This course provides an introduction to oral communication techniques and instructional development.

Prerequisite(s): None

IMM 101-N Immunization Programs and Vaccines

Course Description: This course provides an overview of the DoD Immunization program with specific emphasis on the Anthrax and Smallpox Identification and Immunization programs.

Prerequisite(s): None

PREV 201-N Medical Parasitology

Course Description: This course provides an overview of human parasitic diseases with an emphasis on identification and control measures.

Prerequisite(s): None

PH 101-A Army Public Health (APH)

Course Description: This course provides familiarization to conducting communicable disease investigations and outbreaks with a concentration on garrison sanitary inspections.

Prerequisite(s): None

PREV 104-A Chemical, Biological, Radiological, Nuclear and High Yield Explosives (CBRNE)

Course Description: This course provides an overview of chemical, biological, radiological, nuclear, and high yield explosives that pose a threat to military personnel and operations.

Prerequisite(s): None

PREV 100 Introduction to Preventive Medicine

Course Description: This course provides an overview of public health, history of preventive medicine, past and current aspects of preventive medicine, and the roles and responsibilities of preventive medicine in public health.

Prerequisite(s): None

PREV 105 Food Service Sanitation (FSS)

Course Description: This course concentrates on food sanitation, technology and regulations; food sources; inspections practices and standards; food preparation, storage and service; food service facilities and utensils; the hazards/analysis and critical control points system; and food service worker training.

Prerequisite(s): None

PREV 106 Operational Preventive Medicine I

Course Description: This course concentrates on preventive medicine specialist/technician responsibilities for understanding disease prevention and reducing disease and non-battle injuries during all phases of military operations.

Prerequisite(s): None

PREV 107 Aspects of Water

Course Description: This course concentrates on collecting, chemical/bacteriological testing, and data analysis of potable, field, and auxiliary water operations.

Prerequisite(s): None

PREV 109 Deployment Environmental Surveillance Program (DESP)

Course Description: This course concentrates on surveillance techniques for environmental sampling, including deployment surveillance standards.

Prerequisite(s): None

PREV 110 Operational Preventive Medicine II

Course Description: This course concentrates on specific preventive medicine measures, including Operational Risk Management (ORM) procedures, during disaster and humanitarian relief missions, basecamp assessments, and intelligence gathering for military briefings.

Prerequisite(s): None

PREV 200 Entomology

Course Description: This course concentrates on specific identification, surveillance, biology, and management of medically important pests.

Prerequisite(s): None

OSH 101-N Occupational Safety and Health

Course Description: This course provides an introduction to occupational safety and health with a concentration on occupational health programs common to Navy workplaces.

Prerequisite(s): None

PREV 113-N Environmental Sanitation

Course Description: This course provides an in-depth study of environmental sanitation regulations and requirements for military facilities and platforms.

Prerequisite(s): None

PREV 114-N Shipboard Water Sanitation

Course Description: This course provides instruction on potable and waste water standards aboard naval vessels.

Prerequisite(s): None

PREV 108-A Industrial Hygiene (IH)

Course Description: This course concentrates on fundamental concepts of Occupational Safety and Health (OSH) as it relates to industrial hygiene including theory, application, and implementation.

Prerequisite(s): None

PREV 202-A Field Training Exercise (FTX)

Course Description: This course is a final cumulative evaluation of preventive medicine curriculum.

Prerequisite(s): (Army Only) Completion of Phase I courses.

PREV 250-N Final Evaluation Problem (FEP)

Course Description: This course is a final cumulative evaluation of preventive medicine curriculum.

Prerequisite(s): (Navy Only) Completion of Phase I courses.

Program Length Consolidated Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
PREV 100	Introduction to Preventive Medicine	8							8
PREV 105	Food Service Sanitation (FSS)	35	21		6	2			64
PREV 106	Operational Preventive Medicine I	12	6		2	4			24
PREV 107	Aspects of Water	51	25		8	14	8		106
PREV 109	Deployment Environmental Surveillance Program (DESP)	7	17		2	6			32
PREV 110	Operational Preventive Medicine II	14	10		2	6			32
PREV 200	Entomology	82	41		12	7			142
TOTAL		213	130	0	32	37	8	0	408

Program Length Army-Specific Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
PH 101-A	Army Public Health	25	3		2				30
PREV 104-A	Chemical, Biological, Radiological, Nuclear and High Yield Explosives (CBRNE)	17	9		2	6			34
PREV 108-A	Industrial Hygiene	49	25		6	8			88
PREV 202-A	Field Training Exercise (FTX)	1	39			8			48
TOTAL		92	76	0	10	22	0	0	200

Program Length Navy-Specific Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
COMM 103-N	Instructional Methods	4	7		2	13			26
IMM 101-N	Immunization Programs and Vaccines	16	8			6			30
MATH 201-N	Biostatistics	28			4				32
MBIO 201-N	Microbiology	36	7		8	5			56
OSH 101-N	Occupational Safety and Health	58	6		10	4			78
PH 101-N	Public Health Administration	34	12		4	2			52
PREV 101-N	Epidemiology and Communicable Disease Control	88	9		10	3			110
PREV 113-N	Environmental Sanitation	38			6				44
PREV 114-N	Shipboard Water Sanitation	14			2				16
PREV 201-N	Medical Parasitology	50			10				60
PREV 250-N	Final Evaluation Plan	2	22			8			32
TOTAL		368	71	0	56	41	0	0	536

Program Length Peacetime:

		METC	Army	Navy	Air Force	Coast Guard
Phase I Hours¹	Didactic	209	92	368	N/A	368
	Lab/Practical	130	76	71		71
	Written Test ²	32	10	56		56
	Practical Test	37	22	41		41
	Other					
	Subtotal Instructional	408	200	536		536
	Required Activities		32	32		32

		METC	Army	Navy	Air Force	Coast Guard
Clinical/Phase II Hours	Didactic				N/A	
	Lab/Practical					
	Clinical					
	Written Test					
	Practical Test					
	Other					
	Subtotal Instructional	0	0	0		0
	Required Activities					
Total Instructional Hours			608	944		0
Total Administrative Hours			32	32		0

Key		
Didactic	Did	Instructor/self-paced formats for dissemination of information
Lab/Practical	Lab/Prac	Demonstration/hands-on practice
Clinical	Clin	Patient care or other supervised work experience
Written or Practical Test	WTest PTest	Formal written/hands-on student assessments, includes time for pre-test review & post-test critique
Other	Other	All other formats for instruction
Required Activities	Reqd	All other non-instruction activities

¹An 8 hour training day is the standard; exceptions are noted

²Time for end of course critique included in hours for last written exam in each course

Program Length Mobilization/Wartime:

		METC	Army	Navy	Air Force	Coast Guard
Phase I Hours¹	Didactic				N/A	
	Lab/Practical					
	Written Test ²					
	Practical Test					
	Other					
	Subtotal Instructional	0	0	0		0
	Required Activities					
Clinical/Phase II Hours						
Clinical/Phase II Hours	Didactic					
	Lab/Practical					
	Other					
	Written Test					
	Practical Test					
	Other					
	Subtotal Instructional	0	0	0		0
Required Activities						
Total Instructional Hours						
			0	0		0
Total Administrative Hours						
			0	0		0

¹An 8 hour training day is the standard; exceptions are noted

²Time for end of course critique included in hours for last written exam in each course

Faculty Qualifications:

The Program Director must be an Environmental Health Officer (Navy – NOBC 0861), Environmental Science and Engineering Officer (Army – 72D) or an Entomologist (Army 72B). The Program Director must meet all instructor qualifications. The senior Army enlisted must be a 68S, Sergeant First Class or higher. The senior Navy enlisted must be an HM-8432, Chief Petty Officer or Higher.

Instructors must have completed the METC instructor training or an equivalent Service instructor course. Instructors also must have completed a teaching internship and have all appropriate subject-matter qualifications. They must hold the Navy Enlisted Code (NEC) 9502, or the Army Additional Skill Identifier (ASI) 8. Instructors must possess at least an Associates degree or be within twelve months of completion of all degree requirements upon arrival to METC. Navy instructors must be a HM-8432, Army instructors must be 68S, or civilian equivalent.

Refer to the METC Faculty Development Policy for Service specific and CCAF faculty requirements.

Section 2:

PH 101-N Public Health Administration

Course Description: This course provides an introduction to the scope of Public Health Administration; its history and the mission of Naval Preventive Medicine. This course also provides familiarization to personal computer skills, Naval directives/correspondence, and Shipboard Non-tactical Automated Data Processing System (SNAPS) automated functions.

Course Goals: Students will become familiar with public health administration concepts and its application in preventive medicine settings.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Introduction to Preventive Medicine Systems	20	7		2	1			30
2	Introduction to Navy Correspondence and Directives	14	5		2	1			22
Total		34	12	0	4	2	0	0	52

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Introduction to Preventive Medicine Systems					
PH-101-N 1.1.1	Navy Medicine Functions	State the function of Navy Medicine regarding disease prevention and health promotion.	C2		
Topics Include: -United States Public Health Service (USPHS) -Bureau of Medicine and Surgery (BUMED) -Navy and Marine Corps Public Health Center (NMCPHC) -Navy Environmental and Preventive Medicine Units (NEPMU) -Navy Directives -Manual of Naval Preventive Medicine (NAVMED P-5010) -Quarantine Regulation					
PH-101-N 1.2.1	Basic Computer Functions	Perform basic computer functions using a personal computer and computer applications.		P2	
Topics Include: -Microsoft Office Introduction -Microsoft Office Format and Print Functions					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PH-101-N 1.3.1	SNAPS Automated Medical Systems (SAMS)	Perform computer functions using modules of the SNAPS (Shipboard Non-tactical Automated Data Processing System) Automated Medical Systems (SAMS).		P2	
Topics Include: -SAMS					
PH-101-N 1.4.1	Medical Readiness Reporting System (MRRS)	Perform computer functions using modules of the Medical Readiness Reporting System (MRRS).		P2	
Topics Include: -MRRS					
PH-101-N 1.5.1	Medical Readiness Program	Describe the Medical Readiness Program.	C2		
Topics Include: -Purpose -Preventive Health Assessment Objectives -Readiness Program Personnel Responsibilities -Medical Readiness Elements -Health Promotion and Health Education Program Requirements -Clinical Preventive Services (CPS) and Health Promotion Documentation Policies					
PH-101-N 1.6.1	Medical Event Reports	Prepare a Medical Event Report (MER) using the Navy Disease Reporting System (NDRS).		P3	
Topics Include: -Medical Event Report -Incidences -Command Responsibilities -Submission Methods -Addresses -Minimal Report Elements -Outbreak Report Elements -Report Control Symbol -OPREP-3 Report Submission -MERs Reporting -Medical Events Reporting -Lab/Performance Evaluation					
Unit 2: Introduction to Navy Correspondence and Directives					
PH-101-N 2.1.1	Navy Directives System	State the procedures for using the Navy Directives System.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Purpose -Directive Types -Change Procedures -Standard Subject Identification Code (SSIC) Purpose -Standard Subject Identification Code (SSIC) Groups and Subdivisions -Periodic Review Procedures -Disposal Procedures -Medical Forms -Filing Procedures					
PH-101-N 2.2.1	Navy Correspondence	Prepare Navy correspondence.		P2	
Topics Include: -Standards and Procedures -Standard Naval Letter -Memorandums -Business Letter -Organized Writing -Natural Writing -Compact Writing -Active Writing -Performance Evaluation - Memorandum IAW Performance Evaluation Form (PEF) -Performance Evaluation – Standard Naval Letter IAW Performance Evaluation Form (PEF) -Performance Evaluation – Business Letter IAW Performance Evaluation Form					

MBIO 201-N Microbiology

Course Description: This course provides an introduction to the scope of microbiology with an emphasis on culturing, isolating, and identifying bacteria and organisms affecting the health of military and civilian personnel.

Course Goals: Students will become familiar with basic microbiology concepts, perform laboratory diagnostics and their application in preventive medicine settings.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Introduction to Microbiology	4	3			1			8
2	Viruses and Fungi	6			2				8
3	Bacteria	8			2				10
4	Microbiology Diagnostics	6	4		2	4			16
5	Pathogenic Organisms	12			2				12
Total		36	7	0	8	5	0	0	56

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Introduction to Microbiology					
MBIO 201-N 1.1.1	Basic Concepts of Microbiology	Describe the basic concepts of microbiology.	C2		
Topics Include: -Terminology -Microbes -Taxonomy Hierarchy -Nomenclature System -Organism Kingdoms -Organism Groups -Measuring Microorganisms					
MBIO 201-N 1.2.1	The Compound Light Microscope	Operate a compound light microscope.		P3	
Topics Include: -Terminology -Compound Light Microscope Parts -Component Functions -Maintenance Requirements -Safety -Performance Evaluation: Operating a Compound Light Microscope					
Unit 2: Viruses and Fungi					
MBIO 201-N 2.1.1	Viruses and Fungi	Describe the general characteristics of viruses and fungi.	C2		
Topics Include: -Terminology -Virus Characteristics -Virus Composition and Physical Make-Up -Virus Morphology -Virus Culture Techniques -Virus Reproduction -Virus Taxonomy -Fungi Characteristics -Fungi Life Cycle -Fungi Identification -Fungal Diseases					
Unit 3: Bacteria					
MBIO 201-N 3.1.1	Bacteria	Describe the physiology and morphology of bacteria.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Bacterial Shapes -Eukaryotic Cells -Procaryotic Cells -Endospores -Sporulation Process -Microbial Growth -Bacterial Growth Phases -Bacterial Enumeration -Sterilization Control Methods -Disinfection Control Methods -Antiseptic Efficacy -Antibiotics Efficacy -Enzyme Characteristics -Enzyme Effects -Bacterial Toxins					
Unit 4: Microbiology Diagnostics					
MBIO 201-N 4.1.1	Gram's Stain	Perform Gram's staining procedure.		P3	
Topics Include: -Terminology -Gram Positive Bacteria Stain -Gram Negative Bacteria Stain -Gram's Stain Solution -Gram's Stain Procedure					
MBIO 201-N 4.2.1	Culturing Bacteria	Describe the methods used for culturing bacteria.	C3		
Topics Include: -Terminology -Culture and Sensitivity Purpose -Culture Media Ingredients -Culture Substance Enrichment Functions -Culture Substance Inhibitors Functions -Culture Substance Indicators Functions -Primary Isolation Culture Types -Bacterial Culture Plating Procedures -Culture Media Enrichment -Selective Culture Media -Differential Culture Media -Plating Bacterial Cultures					
Unit 5: Pathogenic Organisms					
MBIO 201-N 5.1.1	Laboratory Characteristics of Pathogenic Organisms	Describe the laboratory characteristics of Gram positive and Gram negative pathogenic microorganisms.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Staphylococcus Characteristics and Species -Streptococcus Characteristics and Species -Neisseria Characteristics and Species -Bacillus Characteristics and Species -Clostridium Characteristics and Species -Corynebacterium Characteristics and Species -Enterobacteriaceae Characteristics and Species -Vibrio Characteristics and Species -Pseudomonas Characteristics and Species -Spirochaetacea Characteristics and Species -Mycoplasmataceae Characteristics and Species -Chlamydia Characteristics and Species -Mycobacterium Characteristics and Species -Rickettsia Characteristics and Species					
MBIO 201-N 5.2.1	Rapid Plasma Reagin Test for Syphilis	Describe the Rapid Plasma Reagin (RPR) test procedures for syphilis.	C2		
Topics Include: -Terminology -RPR Test Materials -RPR Test Procedures					

MATH 201-N Biostatistics

Course Description: The course presents the principles and methods of data description and elementary statistical analysis.

Course Goals: Students will gain an understanding on formulating null and alternate hypotheses, testing of statistical significance, random sampling, and measuring central tendency.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Experimental Design and Central Tendency	14			2				16
2	Measures of Dispersion, Frequency, and Significance	14			2				16
Total		28	0	0	4	0	0	0	32

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Experimental Design and Central Tendency					
MATH 201-N 1.1.1	Population Sampling	Describe the procedure steps for obtaining a population frequency sample.	C3		
Topics Include: -Terminology -Obtain a Simple Random Sample (SRS) -Obtain a Multi-Stage Population Frequency Sample -Bias Types -Techniques to Minimize Bias					
Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
MATH 201-N 1.2.1	Presentation of Statistics	Prepare graphs from a frequency distribution table using raw statistical data.		P3	
Topics Include: -Terminology -Rounding Off Data -Ratio Calculation -Proportion Calculation -Percentage Calculation -Array Construction -Range Calculation - Class Interval Calculation - Class Width Calculation -Statistical Table Construction -Statistical Chart Construction -Statistical Graph Construction - Histogram Procedures -Frequency Polygon Procedures					
MATH 201-N 1.3.1	Measures of Central Tendency	Calculate measures of central tendency.	C3		
Topics Include: -Central Tendency Purpose -Frequency Distributions -Arithmetic Mean Computation -Median Computation -Mode Computation -Central Tendency Measures					
Unit 2: Measures of Dispersion, Frequency, and Significance					
MATH 201-N 2.1.1	Measures of Dispersion	Calculate measures of dispersion.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Dispersion Purpose -Range Computation -Interquartile Range Computation -Variance Computation -Standard Deviation Computation -Dispersion Measure					
MATH 201-N 2.2.1	Measures of Frequency	Prepare a Food Specific Attack Rate Table.		P3	
Topics Include: -Terminology -Incidence Rate Calculation -Prevalence Rate Calculation -Attack Rate Calculation -Case Fatality Rate Calculation -Absolute Risk Calculation -Relative Risk Calculation -Attributable Risk Calculation -Food Specific Attack Rate Tables					
2.3.1 MATH 201-N	Hypothesis Testing	Perform a test of significance on a hypothesis using Chi-square test.	C3		
Topics Include: -2x2 Contingency Table -2x2 Expected Table -2x2 Expected Table Computation -Chi-Square Value -Null and Alternative Hypotheses -Null Hypothesis Interpretation					

PREV 101-N Epidemiology and Communicable Disease Control

Course Description: This course provides an introduction to epidemiology and disease control, with an emphasis on communicable disease prevention, conducting epidemiological investigations, and proper reporting procedures.

Course Goals: Students will gain an understanding of the etiology of communicable diseases.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Introduction to Epidemiology	10	8		2	2			22
2	Epidemiology of Viral Hepatitis and Sexually Transmitted Diseases	14			2				16

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
3	Sexual Health and Responsibility Program (SHARP)	24							24
4	Health Promotions Program	4							4
5	Epidemiology of Communicable Diseases	29			4				33
6	Tuberculosis Control Program	7	1		2	1			11
Total		88	9	0	10	3	0	0	110

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Introduction to Epidemiology					
PREV 101-N 1.1.1	Epidemiologic Principles	State the principles of epidemiology.	C2		
Topics Include: -Terminology -Epidemiological Study Purpose -Epidemiological Investigation Types -Chain of Infection -Prevention and Control Methods -Body Defense Mechanisms -Disease Development					
PREV 101-N 1.2.1	Applied Epidemiology	Prepare an epidemiological investigation report of an illness outbreak.		P3	A1
Topics Include: -Disease Prevention Elements -Standard Epidemiological Investigation Elements -Disease Frequency Measures -Food-borne Illness Investigation Procedures -Disease Outbreak Investigation -Performance Evaluation -Epidemiological Investigation Report					
Unit 2: Epidemiology of Viral Hepatitis and Sexually Transmitted Diseases					
PREV 101-N 2.1.1	Viral Hepatitis Awareness and Prevention	Describe the different types of Viral Hepatitis and how to prevent them.	C2		
Topics Include: -Viral Hepatitis A (HAV) -Viral Hepatitis B (HBV) -Viral Hepatitis C (HCV) -Viral Hepatitis D (HDV) -Viral Hepatitis E (HEV)					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 101-N 2.2.1	Sexually Transmitted Diseases	State the epidemiology of sexually transmitted diseases.	C2		
Topics Include: -Terminology -Guidelines and References -Gonorrhea -Non-Gonococcal Urethritis -Syphilis -Chancroid -Herpes -Lymphogranuloma Venereum -Granuloma Inguinale -Condyloma Acuminatum (Venereal Warts) -Human Immunodeficiency Virus (HIV) -Phthiasis Pubis -Scabies					
Unit 3: Sexual Health and Responsibility Program (SHARP)					
PREV 101-N 3.1.1	HIV-STD Prevention Counseling	Complete the SHARP Fundamentals of HIV-STD Prevention Counseling Course (CIN B-322-0020) in accordance with BUMEDINST 6222.10 series.	C2		
Topics Include: -Fundamentals of HIV-STD Prevention Counseling					
PREV 101-N 3.2.1	Sexual Partner Counseling and Referral Services	Complete SHARP Sexual Partner Counseling and Referral Services Course (CIN B-322-2223) in accordance with BUMEDINST 6222.10 series.	C2		
Topics Include: -Sexual Partner Counseling and Referral Services					
Unit 4: Health Promotions Program					
PREV 101-N 4.1.1	Health Promotion Basics Course	Complete the Navy and Marine Corps Public Health Center, Health Promotion Basics Course.	C2		
Topics Include: -Health Promotion Basics Course					
Unit 5: Epidemiology of Communicable Diseases					
PREV 101-N 5.1.1	Respiratory Diseases	State the epidemiology of respiratory diseases.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Influenza -Meningococcal Meningitis -Streptococcal Diseases -Tuberculosis -Diphtheria -Rubella (German Measles) -Rubeola (Measles) -Pneumococcal Pneumonia -Legionellosis -Common Cold					
PREV 101-N 5.2.1	Foodborne and Waterborne Diseases	State the epidemiology of Foodborne and Waterborne Diseases.	C2		
Topics Include: -Terminology -Poisons in Food and Water -Botulism -Campylobacter Enteritis -Clostridium Perfringens Food-Borne Intoxication -Staphylococcus Intoxication -Salmonellosis -Shigellosis -Typhoid Fever -Cholera -Vibrio Parahaemolyticus Enteritis -Foodborne Illness Due to Escherichia Coli					
PREV 101-N 5.3.1	Vectorborne and Zoonotic Diseases	State the epidemiology of Vectorborne and Zoonotic Diseases.	C2		
Topics Include: -Terminology -Encephalitis -Dengue Fever -Yellow Fever -Typhus Fever -Tularemia -Leptosporosis -Plague -Rocky Mountain Spotted Fever -Lyme Disease -Rabies					
PREV 101-N 5.4.1	Rabies Prevention and Control	Describe the Navy's Rabies and Prevention and Control Program.	C2		
Topics Include: -References -Purpose -Responsibilities -Chemoprophylaxis and Treatment Guidelines -Rabies Reporting Requirements					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 101-N 5.5.1	Fungal Diseases	State the epidemiology of Fungal Diseases.	C2		
Topics Include: -Terminology -Tinea Capitis/Barbae -Tinea Cruris -Tinea Corporis -Tinea Pedis -Tinea Unguium -Candidiasis -Aspergillosis -Histoplasmosis -Coccidioidomycosis					
PREV 101-N 5.6.1	Emerging Disease Threats	State the epidemiology of Emerging Disease Threats.	C2		
Topics Include: -West Nile Virus -Severe Acute Respiratory Syndrome (SARS)					
Unit 6: Tuberculosis Control Program					
PREV 101-N 6.1.1	Tuberculosis Control Program	Describe the Navy's Tuberculosis Control Program.	C2		
Topics Include: -Terminology -References -TB Control Program Purpose -TB Screening Criteria -TB Control Program Radiographic Requirements -TB Control Program Elements -Bacillus Calmette-Guerin Screening Methods -TB Disease History Screening Methods -TB Reaction Screening Methods -Initial TB Evaluation -TB Screening for Large Groups -Managing Significant Reactor Rates -TB Skin Test Interpretation -Chemoprophylaxis Criteria -TB Contact Investigation -Decontaminating Spaces -Maintaining Records -Reporting Requirements					
PREV 101-N 6.2.1	TB Skin Testing	In a simulated clinical setting, administer a TB Skin Test (TST) and interpret the results using the Mantoux Method.		P3	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -TB Skin Testing Materials -Administering TB Skin Test -Proper Measuring, Interpreting, and Recording TB Skin Test -TB Skin Testing Performance Evaluation					

COMM 103-N Instructional Methods

Course Description: This course provides an introduction to oral communication techniques and instructional development.

Course Goals: Students will perform formal classroom instruction.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Fundamentals of Instruction	2							2
2	Instructional Presentations	2	7		2	13			24
Total		4	7	0	2	13	0	0	26

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Fundamentals of Instruction					
COMM 103-N 1.1.1	Learning Theory Concepts	Describe basic learning theory concepts.	C2		
Topics Include: -Learning Methods -Learning Factors -Learning Laws					
COMM 103-N 1.2.1	Instructional Techniques	Describe the basic concepts of instructional techniques.	C2		
Topics Include: -Instructor Traits -The Communication Process -Delivery Techniques -Asking Effective Questions -Oral Question Types -APPLE Questioning Techniques -Answering Questions Effectively					
Unit 2: Instructional Presentations					
COMM 103-N 2.1.1	Lesson Development and Presentation	Develop and present a 20-minute instructional lesson.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include:					
<ul style="list-style-type: none"> -Learning Objectives -Lesson Topic Guide Development (Lesson Plan) -Personalization -Instructional Components -Develop Instructional Presentations -Deliver Instructional Presentations 					

IMM 101-N Immunization Programs and Vaccines

Course Description: This course provides an overview of the DoD Immunization program with specific emphasis on the Anthrax and Smallpox Identification and Immunization programs.

Course Goals: The student will be able to demonstrate the procedures in conducting specific immunization programs utilizing on-line resources provided by the Military Vaccine (MILVAX) Agency.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Immunization Basic Course	8							8
2	Immunization Program Management	8	8			6			22
Total		16	8	0	0	6	0	0	30

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Immunization Basic Course					
IMM 101-N 1.1.1	Immunization Basic Course	Complete the MILVAX Immunization Basic Course (IDC) IAW DoD regulations, Advisory Committee on Immunization Practices (ACIP) Guidelines and Centers for Disease Control Prevention (CDC) recommendations for immunization practice.		P2	
Topics Include:					
-Immunization Basic Course					
Unit 2: Immunization Program Management					
IMM 101-N 2.1.1	DoD's Anthrax Vaccine Immunization Program	Screen potential vaccine recipients to confirm they are eligible and not medically exempt.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
IMM 101-N 2.1.2		Educate potential vaccine recipients about anthrax threat and benefits and risks of vaccination.		P2	
Topics Include: -DoD Anthrax Vaccine Immunization Program					
IMM 101-N 2.2.1	DoD Smallpox Vaccination: Standard Training for Healthcare Workers: Vaccination Supervisors, Clinical Coordinators	Demonstrate the procedures to conduct a smallpox immunization program.		P2	
Topics Include: -DoD Smallpox Vaccination Training					

PREV 201-N Medical Parasitology

Course Description: This course provides an overview of human parasitic diseases with an emphasis on identification and control measures.

Course Goals: Students will become familiar with medically important parasites, their life cycles and impact in communicable disease transmission.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Simple Parasites	26			4				30
2	Complex Parasites	24			6				30
Total		50	0	0	10	0	0	0	60

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Simple Parasites					
PREV 201-N 1.1.1	Introduction to Parasitology	State the fundamental concepts of Parasitology.	C2		
Topics Include: -Terminology -Parasitic Symbiotic Host Relationship -Parasitic Life Cycles -Modes of Transmission -Reproduction Methods					
PREV 201-N 1.2.1	Class Lobosea Parasites	State the epidemiology of parasites found in the Class Lobosea.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Medically Important Parasitic Distinguishing Characteristics -Medical Important Parasitic Development Stages -Amebiasis -Primary Amoebic Meningoencephalitis (PAM) -Acanthamebiasis of the Eye					
PREV 201-N 1.3.1	Class Zoomastigophora Parasites	State the epidemiology of parasites found in the Class Zoomastigophora.	C2		
Topics Include: -Terminology -Medically Important Parasitic Distinguishing Characteristics -Medical Important Parasitic Developmental Stages -Gardiasis -Trichomoniasis -African Trypanosomiasis -American Trypanosomiasis -Leishmaniasis					
PREV 201-N 1.4.1	Kinetofragminophorea and Sporozoa Parasites	State the epidemiology of parasites found in the Class Kinetofragminophorea and Sporozoa	C2		
Topics Include: -Terminology -Medically Important Parasitic Distinguishing Characteristics -Medical Important Parasitic Development Stages -Balantidiasis -Cryptosporidiosis -Toxoplasmosis -Malaria -Malaria Control Program					
Unit 2: Complex Parasites					
PREV 201-N 2.1.1	Cestoidea Parasites	State the epidemiology of parasites found in the Class Cestoidea.	C2		
Topics Include: -Terminology -Medically Important Helminths Distinguishing Characteristics -Medical Important Helminths Development Stages -Diphyllobothriasis -Taeniasis -Cysticercosis -Hymenolepiasis -Echinococcosis					
PREV 201-N 2.2.1	Trematode Parasites	State the epidemiology of parasites found in the Class Trematoda.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Medically Important Parasitic Distinguishing Characteristics -Selected Parasitic Developmental Stages -Fascioliasis -Clonorchiasis -Fasciolopsiasis -Paragonimiasis -Schistosomiasis -Swimmer's Itch					
PREV 201-N 2.3.1	Nematode Parasites	State the epidemiology of parasites found in the Phylum Nematoda.	C2		
Topics Include: -Terminology -Medically Important Parasitic Distinguishing Characteristics - Selected Parasitic Developmental Stages - Ascariasis -Hookworm Disease -Strongyloidiasis -Trichuriasis -Trichinosis -Dracunculiasis -Filariasis -Loiasis -Onchocerciasis -Enterobiasis					

PH 101-A Army Public Health (APH)

Course Description: This course provides familiarization to conducting communicable disease investigations and outbreaks with a concentration on garrison sanitary inspections.

Course Goals: Student will gain knowledge of the Army's Public Health System.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Army Public Health (APH)	25	3		2				30
Total		25	3	0	2	0	0	0	30

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Army Public Health (APH)					
PH 101-A 1.1.1	Intro to Disease Transmission	Identify the chain of transmission to include identifying appropriate control measures for diseases of military importance.	C3		
Topics Include: -Terminology -Links in the Chain of Infection -Diseases with Mode of Transmission -Prevention and Control Measure					
PH 101-A 1.2.1	Public Health Microbiology	Evaluate microorganisms which produce specific diseases important to public health.	C2		
Topics Include: -Terminology -Microorganism Characteristics -Related Microorganism Diseases -Portals of Entry -Factors -Microbial Growth					
PH 101-A 1.3.1	Disease Investigation	Investigate the cause of a disease outbreak situation to include implementing control measures.	C3		
Topics Include: -Terminology -Outbreak Investigation Steps -Problem Solving Activities					
PH 101-A 1.4.1	Health Surveillance	Interpret health surveillance programs to prevent and control disease and injury.	C3		
Topics Include: -Purpose of Health Surveillance -Components of Health Surveillance -Sources of Data -Rates and Description -Factors -Activities -Case Data					
PH 101-A 1.5.1	Sexually Transmitted Diseases & HIV	Identify the causative agent, incubation period, clinical signs, symptoms, diagnostic tests and treatment corresponding to the major sexually transmitted diseases.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Sexually Transmitted Diseases -Signs, Symptoms, and Incubation Periods -Spread of HIV -Features of Army HIV Program -Risk Reduction Methods					
PH 101-A 1.6.1	Army Immunization Program	Select routine and specific immunizations given to military personnel to prevent disease.	C3		
Topics Include: -Terminology -Types of Immunity -Types of Immunizing Agents -Immunizations -Forms					
PH 101-A 1.7.1	Health Promotion and Risk Reduction	Interpret primary prevention measures to promote health and prevent development of disease or injury.	C3		
Topics Include: -Concept of Health and Wellness -Types of Prevention -Risk Factors -Prevention Strategies					
PH 101-A 1.8.1	Food Borne Illness	Demonstrate the ability to properly perform food-borne illness outbreak investigation.		P1	
Topics Include: -Tasks -Attack Rates					
PH 101-A 1.9.1	Illness Outbreak Investigation Kits and Procedures	Demonstrate an understanding of illness kit requirements.	C2	P1	
Topics Include: -Kits and Supplies -Sampling Procedures -Information Selection -Illness Questionnaire					
PH 101-A 1.10.1	Viral Hepatitis	Implement prevention and control measures used to control hepatitis.	C3		
Topics Include: -Significance of Viral Hepatitis -Hepatitis A -Hepatitis B -Hepatitis C -Significance of Other Types of Hepatitis					
PH 101-A 1.11.1	Prevention of Acute Respiratory Disease	Identify surveillance and control measures for the Acute Respiratory Disease Surveillance Program.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Acute Respiratory Disease -Viral and Bacterial Disease Agents -Routes of Transmission -Control Measures					
PH 101-A 1.12.1	Garrison Inspection	Perform all tasks related to garrison sanitary inspections.	C2		
Topics Include: -Barber/Beauty Shop Sanitary Requirements -Child Development Center Health Requirements -Swimming Pool Sanitary Requirements -Confinement Facility Sanitary Requirements -Sports Facility Sanitary Requirements					

PREV 104-A Chemical, Biological, Radiological, Nuclear and High Yield Explosives (CBRNE)

Course Description: This course provides an overview of chemical, biological, radiological, nuclear, and high yield explosives that pose a threat to military personnel and operations.

Course Goals: Student will gain knowledge in CBRNE operations.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	US Army CBRNE	17	9		2	6			34
Total		17	9	0	2	6	0	0	34

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: US Army CBRNE					
PREV 104-A 1.1.1	Introduction to CBRNE	Identify aspects of the US Army Medical Department CBRNE Response.	C3		
Topics Include: -Threats -Actions -Domestic Response					
PREV 104-A 1.2.1	Introduction to Radiological Materials / Radiation	Identify radioactive materials and radiation.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Types and Characteristics -Units and Quantities -Location and Groups -Biological Effects -Acute Radiation Syndrome					
PREV 104-A 1.3.1	Depleted Uranium Hazards and Controls	Identify the requirement for depleted uranium controls, protective measures, and medical response.	C3		
Topics Include: - Characteristics of Depleted Uranium -Protective Measures -Medical Response -Recommendations					
PREV 104-A 1.4.1	Collection of Bioassay and Domestic Samples	Identify the proper procedures for collecting, handling, and processing bioassay and biodosimetry samples.		P1	
Topics Include: -Types of Bioassay Sample -Dosimetry Documents -Descriptions -Actions -Procedures -Record Keeping -Dosimetry Issue and Exchange -Dosimetry Shipment					
PREV 104-A 1.5.1	US Army CBRNE Equipment	Select the capabilities and limitations of tactical NBC instrumentation and survey procedures.	C2		
Topics Include: -Chemical Detection Equipment -Detection -Unmasking -Radiation Detection Equipment					
PREV 104-A 1.6.1	Low Level Radiation Threats	Recognize radiological threats.	C3		
Topics Include: -Radiological Weapons Development -Radiological Weapons Effects -Potential Malicious Uses -Lesson Learned -Accident Consequences -Radioactive Sources					
PREV 104-A 1.7.1	Area Radiological Surveys	Perform ambient radiation surveys with the AN/VDR-2 (radiation survey meter).		P1	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Survey Tasks -Safety Precautions -Radiation Exposure Status (RES) Category -Maximum Mission Duration -Calculations -Accumulated Dose					
PREV 104-A 1.8.1	Initial Response to Damaged Commodities	Identify the proper procedures to perform commodity sampling to include shipping the samples to analysis laboratories.	C3		
Topics Include: -Commodities -Radioactive Commodity Accident Response -Commodity Manager					

PREV 100 Introduction to Preventive Medicine

Course Description: This course provides an overview of public health, history of preventive medicine, past and current aspects of preventive medicine, and the roles and responsibilities of preventive medicine in public health.

Course Goals: Student will gain an understanding of Preventive Medicine.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Introduction to Public Health	1.5							1.5
2	History of Preventive Medicine	1							1
3	Past and Current Aspects of Preventive Medicine	1.5							1.5
4	Preventive Medicine Roles and Responsibilities of Public Health	1.5							1.5
5	Careers in Public Health	1							1
6	Syllabus Review	1.5							1.5
Total		8	0	0	0	0	0	0	8

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Introduction to Public Health					
PREV 100 1.1.1	What is Public Health	Define Public Health.	C3		
PREV 100 1.2.1	History of Preventive Medicine	Describe historical events of Preventive Medicine.	C3		
PREV 100 1.3.1	Past and Current Aspects of Preventive Medicine	Describe the Aspects of Preventive Medicine.	C3		
Topics Include: -H1N1 -Food-Illness Outbreaks -Natural Disasters					
PREV 100 1.4.1	Preventive Medicine Roles and Responsibilities of Public Health	Identify the role/responsibilities of the Preventive Medicine.	C3		
Topics Include: -Local -Government -State -International					
PREV 100 1.5.1	Careers in Public Health	Describe progression in the field of Public Health.	C3		
Topics Include: -Civilian Equivalents/Profession -Certifications -Commission					
PREV 100 1.6.1	Syllabus Review	Identify the courses in the Preventive Medicine Program.	C3		

PREV 105 Food Service Sanitation (FSS)

Course Description: This course concentrates on food sanitation, technology and regulations; food sources; inspections practices and standards; food preparation, storage and service; food service facilities and utensils; the hazards/analysis and critical control points system; and food service worker training.

Course Goals: Student will gain knowledge in the responsibilities of food service personnel; sanitary requirements for food procurement; preparation; storage; food service equipment and utensils; the structural requirements and sanitation for food service facilities and field operations; and how to prepare food safety inspection reports.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Food Service Safety Challenge	4							4
2	The Flow of Food	7							7
3	Food Safety Management Systems, Facilities, and Pest Management	23	12						35
4	Food Safety Regulations and Employee Training	3	3						6
5	Food Sanitation in Field Operations	2	2						4
6	End of Course Tours/Exams				6	2			8
Total		39	17	0	6	2	0	0	64

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Food Service Safety Challenge					
PREV 105 1.1.1	Providing Safe Food	Identify threats associated with foodborne illness outbreaks.	C3		
Topics Include: -Dangers of Foodborne Illness -Foodborne Illness Prevention -Potentially Hazardous Food (PHF) Characteristics -Food Safety Responsibilities of a Manager					
PREV 105 1.2.1	The Micro World	Identify disease causing agents in food.	C3		
Topics Include: -Microbial Contaminants -Intoxication vs. Infection -Major Foodborne Illnesses -Foodborne Pathogen Characteristics					
PREV 105 1.3.1	Contamination, Allergens, and Foodborne Illness	Identify the preventive measures and hazards responsible for food-borne illness outbreaks IAW Regulations and Applied Foodservice Sanitation.	C3		
Topics Include: -Physical and Chemical Contamination -Prevention Methods -Food Allergens					
PREV 105 1.4.1	The Safe Food Handler	Identify the responsibilities of food handler personnel.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -How Food Handler's Contaminate Food - Components of a Good Personal Hygiene Program -Handwashing -Hand Antiseptic Identification -Hand Maintenance Identification -Injuries -Glove Procedures -Jewelry Hazards -Work Attire Requirements -Bare-Hand Exceptions -Policy Implementation -Employee Exclusion From Food -Employee Exclusion From High-Risk Populations -Reportable Illnesses -Service Specific Information					
Unit 2: The Flow of Food					
PREV 105 2.1.1	Introduction to Flow of Food	Identify processes to prevent food-borne illness outbreaks.	C3		
Topics Include: -Cross-Contamination Prevention -Time and Temperature Control -Time and Temperature Monitor -Calibration -Food Temperature					
PREV 105 2.2.1	Purchasing and Receiving	Identify correct procedures for purchasing and receiving food items.	C3		
Topics Include: -Food Source Approval -Potentially Hazardous and Non-Perishable Foods Criteria -Terminology -Subsistence Prime Vendor Program -Food Procurement and Receipt -Food Delivery Vehicles -Food Item Inspection Roles -Product Compliance Evaluations					
PREV 105 2.3.1	Sanitary Requirements for Food Storage	Describe the sanitary requirements for food storage.	C3		
Topics Include: -Terminology -Proper Storage/Disposal of Food -General Food Storage Guidelines -FIFO Methods -Food Storage Container -Refrigerated, Frozen, and Dry Food Storage -Raw Food Storage					
PREV 105 2.4.1	Sanitary Standards for Preparing and Serving Food	Describe the sanitary requirements for preparing and serving food.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Preventive Measures -Animal Product and Holding Time Requirements -Food Thaw Methods -Time and Temperature Abuse Prevention -Raw or Undercooked Food Risks -Potentially Hazardous Foods (PHF) Cook Times -Microwave Preparation -Cooling Cooked Food Requirements -Reheating Cooked PHF Requirements -General Rules for Holding Food -Ready-to-Eat Control -Serving Food Safely -Employee Food Protection -Cross-Contamination Prevention -Offsite Service -Offsite Food Hazards					
Unit 3: Food Safety Management Systems, Facilities, and Pest Management					
PREV 105 3.1.1	Active Managerial Control	State the requirements for managers.	C3		
Topics Include: -Food Safety Impact -Crisis Management -Regulatory Agencies					
PREV 105 3.2.1	Personnel Responsibilities	Describe the responsibilities of food service personnel.	C1		
Topics Include: -Food Personnel Responsibilities -Training Requirements -Health Requirements -Hygiene Practice					
PREV 105 3.3.1	Hazardous Analysis and Critical Control Points (HACCP) Approach	State the criteria outlined in the HACCP approach.	C3		
Topics Include: -Terminology -HACCP Principles -Critical Control Points -HACCP Inspection Guidelines -HACCP Plan					
PREV 105 3.4.1	Food Establishment Assessment	Prepare a food safety inspection report.		P1	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Food Safety Inspection Frequency -Food Safety Inspection Types -Food Safety Inspection Scoring - Food Safety Inspection Reporting -Food Service Facility Closure -Food Safety Inspection Reporting Requirements -Performance Evaluation: Prepare a Food Establishment Inspection Report					
PREV 105 3.5.1	Sanitary Food Service Facilities and Equipment	Describe the sanitary requirements for food service facilities and equipment.	C2		
Topics Include: -Terminology -Approval and Prohibited Equipment and Utensils -Washing and Sanitizing Agents -Manual and Machine Warewashing -Single-Service Usage Criteria					
PREV 105 3.6.1	Structural and Sanitation Standards	Describe the structural requirements and sanitation standards for food service facilities.	C3		
Topics Include: -Structural Requirements -Sanitary Standards -Food Safety Requirements -Review Plan -Facility Maintenance -Facility Design -Materials for Interior Construction -Considerations for Specific Areas of the Facility -Sanitation Standards for Equipment -Contact Surface Characteristics -Dishwashing Facility -Installing and Maintaining Kitchen Equipment -Equipment Maintenance -Cross-Connection Prevention -Wastewater Overflow Response -Grease Trap Installation -Potable Water Source Requirements -Food Protection from Lighting -Food Protection from Ventilation Systems -Waste Storage -Waste Receptacle Cleaning -Waste Removal					
PREV 105 3.7.1	Food Service Maintenance	Identify processes involved in maintaining a sanitary food service establishment.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Cleaning and Sanitation -Food-Contact Cleaning Frequency -Clean and Sanitize Food-Contact Surfaces -Approved Sanitizers -Sanitizer Testing -Sanitizer Efficiency -Three-Compartment Sink Sanitization -Toxic Material Storage -Sanitized Material Storage -Toxic Material Disposal -Toxic Material in a Food Establishment					
PREV 105 3.8.1	Integrated Pest Management	Identify proper pest management procedures.	C3		
Topics Include: -Integrated Pest Management -Pest Prevention and Control Differentiation -Pest Deterrent -Pest Infestation Signs -Pesticide Application -Pesticide Storage					
Unit 4: Food Safety Regulations and Employee Training					
PREV 105 4.1.1	Food Service Sanitation Forms	Identify food safety regulations and standards.	C3		
Topics Include: -Government Regulatory System for Food -The Inspection Process -Inspection Preparation -Inspection Walk-Thru					
PREV 105 4.2.1	Employee Food Safety Training	Identify the responsibilities of workers in food service facilities.	C3		
Topics Include: -Manager Responsibility -Food Safety Training Record Maintenance -Initial and Subsequent Employee Training -Delivering Training Methods					
Unit 5: Food Sanitation in Field Operations					
PREV 105 5.1.1	Sanitary Requirements for Food Service in Field Operations	Describe the sanitary requirements for food service in field operations.	C2		
Topics Include: -Field Mess Facilities and Equipment -Field Mess Transportation -Field Mess Food Storage -Field Mess Prep and Serve -Clean and Sanitize Equipment -Field Mess Galley Waste -Field Mess Sanitation Inspection -MRE Handling Requirements					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 6: End of Course Tours / Exams					
PREV 105 6.1.1	Dining Facility Tour	Examine a dining facility during a guided or unguided tour.	C2		
PREV 105 6.2.1	Snack Bar Tour	Examine a snack bar during a guided or unguided tour.	C2		
PREV 105 6.3.1	Food Service Sanitation Forms	Complete a food service sanitation form.	C3		
PREV 105 6.4.1	Food Service Sanitation Exam	Demonstrate mastery of food service sanitation principles, concepts, and practices on a written or practical examination.		P2	
PREV 105 6.5.1	Serve Safe Food Exam	Demonstrate mastery of serve safe food principle, concepts, and practices on a written or practical examination.		P2	

PREV 106 Operational Preventive Medicine I

Course Description: This course concentrates on preventive medicine specialist/technician responsibilities for understanding disease prevention and reducing disease and non-battle injuries during all phases of military operations.

Course Goals: Students will gain the knowledge to prevent disease and non-battle injuries in operational settings and the ability to provide briefings on preventive medicine issues.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Threats in an Operational Environment	2							2
2	Preventive Medicine Measures	2							2
3	Waste and Proper Disposal Procedures	2							2
4	Roles and Responsibilities of Preventive Medicine Personnel/Teams	6	6		2	4			18
Total		12	6	0	2	4	0	0	24

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Threats of an Operational Environment					
PREV 106 1.1.1	Medical Threats for Field Forces	Identify the impact the medical threat has on the unit's ability to reduce disease and non-battle injuries (DNBI).	C3		
Topics Include: -Terminology -Components -Threats - Reasons for Disease and Non-Battle Injuries (DNBI) -Principles of Preventive Medicine Measures					
Unit 2: Preventive Medicine Measures					
PREV 106 2.1.1	Individual Preventive Medicine Measures (IPMM)	Identify appropriate Individual Preventive Medicine Measures (IPMM) to reduce DNBI.	C3		
Topics Include: - Terminology - Environmental Factors - WBGT Identifying Colors - Physical Activities for WBGT Condition Levels - Types of Cold Injuries - Types of Heat Injuries - Specific IPMM - Heat and Cold Injury Treatments					
PREV 106 2.2.1	Unit Level Preventive Medical Measure	Identify unit level PMM to reduce DNBI within organizational unit level areas of operations (AO).	C3		
Topics Include: -Staff Responsibilities -Command Responsibilities					
Unit 3: Waste and Proper Disposal Procedures					
PREV 106 3.1.1	Field Waste Disposal	Select the types of waste and proper disposal methods.	C2		
Topics Include: - Waste and Proper Disposal Procedures - Regulations and Requirements - Disposal Method - Ratios for Humans - Ratios for Facilities - Operation, Construction, and Maintenance					
Unit 4: Roles and Responsibilities of Preventive Medicine Personnel / Teams					
PREV 106 4.1.1	Personnel Responsibilities	Describe the operational responsibilities of the preventive medicine personnel in field operations.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Operational Mission -Pre-Deployment Responsibilities -Deployment Responsibilities -Preventive Medicine Role -Health Services Appendix Elements -Medical Intelligence Sources -Preventive Medicine Journal -After-Action Report -Equipment Maintenance -Field Waste Disposal Responsibilities					
PREV 106 4.2.1	Preventive Medicine Levels	Identify the role/responsibility of the Preventive Medicine Support throughout the theater of operations.	C3		
Topics Include: -Types of Preventive Medicine Assets -Composition and Mission					
PREV 106 4.3.1	Preventive Medicine Communications	Identify and brief Preventive Medicine Issues.	C3		
Topics Include: -Public Speaking -Presentation Steps -Presentation Components -Presentation Methods -Effective Speaker -Audience Analysis -Verbal and Non-Verbal Communication -Impromptu Speeches					
PREV 106 4.4.1	Introduction to Field Sanitation Team Training	Conduct a 10 minute presentation for field sanitation team training.	C2		
Topics Include: -Field Sanitation Team Development -Authorized Units -References -Field Sanitation Team Composition -Command Responsibilities -Briefing					

PREV 107 Aspects of Water

Course Description: This course concentrates on collecting, chemical/bacteriological testing, and data analysis of potable, field, and auxiliary water operations.

Course Goals: Students will be able to utilize data analysis, perform tests, interpret results and make proper recommendations to ensure water is safe for intended use.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Potable Water	17	7		2	6			32
2	Chemical, Biological, and Radiological Tests on Water	6	6		2	4			18
3	Field Water	10	12		2	4			28
4	Auxiliary Water	18	0		2		8		28
Total		51	25	0	8	14	8	0	106

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Potable Water					
PREV 107 1.1.1	Potable Water Supply	State the process of conducting potable water system inspection.	C2		
Topics Include: -Terminology -Potable Water Governance -Potable Water Supply Responsibilities -Potable Water Standards -Water Sources -Water Source Selection -Water Treatment Disinfectants -Water Disinfection Factors -Water Disinfection Standards -Chlorination Process -Chlorination Facilities -Potable Water Storage Requirements -Potable Water Surveillance Program					
Learning Objective #	Lesson Name	Lesson Objective	Cognitive	Psycho-motor	Affective
PREV 107 1.2.1	Water Borne Illness Investigation	Identify the steps to perform a waterborne illness outbreak investigation.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Criteria for Defining a Waterborne-Disease Outbreak -Illnesses Associated with Waterborne Outbreaks -Potential Sources of Contamination and Vehicles of Transmission Associated with Water in a Military Setting -Steps in Solving a Water-Borne Disease Outbreak					
PREV 107 1.3.1	Water Sampling Techniques	Collect water samples for analysis using water sampling equipment.		P1	
Topics Include: -Sample Container Preparation -Sample Collection -Collection of Ice Samples -Recreational and Wastewater Sample Collection -Time Requirements Between Collection and Analysis					
PREV 107 1.3.2		Complete a DD Form 686.		P1	
PREV 107 1.4.1	LaMotte Kit	Measure the level of pH, free available chlorine, total available chlorine, and combined available chlorine at a water source using the LaMotte kit DPD method.	C3		
Topics Include: -LaMotte Kit Components -Test Procedures of Measuring Free Available Chlorine (FAC), Total Available Chlorine (TAC), Combined Available Chlorine (CAC) and pH -Operator Maintenance -DD Form 686					
PREV 107 1.5.1	Presence/ Absence Water Testing	Perform Presence/Absence testing of water.		P1	
Topics Include: -Presence/Absence Purposes -Presence/Absence Steps and Procedures -Presence/Absence Analysis -Coliart Reminders -Disposal Procedures -Quality Assurance Quality Control					
PREV 107 1.6.1	Water Analysis Bacteriological	Demonstrate the ability to use the BAC-T kit.		P2	
Topics Include: -Terminology -Coliform Bacteria Groups -Methods Used for Analyzing Water Samples -Membrane Filter BAC-T Kit -Filtration Technique -Colony Counting and Reporting -Quality Control Procedures					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 107 1.7.1	Heterotrophic Plate Count (HPC)	Perform the heterotrophic plate count (HPC) procedure on a water sample utilizing the pour plate methods.			
Topics Include: -Purpose -Required Media -HPC Method -Sample Dilutions -Procedure Analysis -HPC Incubation -Examination and Calculation Procedures					
Unit 2: Chemical, Biological, and Radiological Tests on Water					
PREV 107 2.1.1	Chemical Analysis of Water	Identify the steps performing chemical analysis on a water sample.	C3		
Topics Include: -Terminology -pH -Purpose -Characteristics -Standards -Disinfections -Factors					
PREV 107 2.2.1	Water Quality Analysis Set, (WQAS)	Identifying the steps for performing chemical analysis on a water sample utilizing the WQAS.	C3		
Topics Include: -Purpose -Characteristics -Components -Capabilities -Planning Procedures -Collection Procedures -Error Sources -Unusual Operating Procedures -WQAS Warnings -Recovery Procedures -DD Form 710 -Chemical Analysis					
PREV 107 2.4.1	Joint Chemical Biological Radiological Agent Water Monitor (JCBRAWM)	Identify the steps for performing biological and radiological analysis on a water sample utilizing the JCBRAWM..		P1	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topic Include: -Purpose (biological) -Capabilities -Components -Warnings and Cautions -Biological Detection -Disposal -Purpose (radiological) -Capabilities -Components -Warnings and Cautions -Preoperations -Radiological Detection -Decontamination					
PREV 107 2.5.1	Water Testing Kit Chemical Agent (M272)	Analyze the presence of chemical agents in a water sample utilizing the water testing chemical agent test kit.		P1	
Topics Include: -Purpose -Types of Tests -Water Sample Analysis -Unusual Operating Conditions -Recovery Procedures					
Unit 3: Field Water					
PREV 107 3.1.1	Pollution Survey	Perform a water point pollution survey.		P1	
Topics Include: -Characteristics -Types -Purification Zone -Dissolved Oxygen -Dissolved Oxygen Transportation					
PREV 107 3.2.1	Reconnaissance and Stream Surveys	Perform a water point reconnaissance/stream survey.		P1	
Topics Include: - Laws and Regulations - Responsibilities - Factors - Requirements - Equipment					
PREV 107 3.3.1	Tactical Water Distribution System	Prepare an inspection report of a tactical water distribution system.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Characteristics -Site -Guidelines -Pumping Stations Installation -Actions -Storage Assemblies					
PREV 107 3.4.1	Potable Water Storage Distribution System	Identify inspection criteria of a potable water storage distribution system site.	C2		
Topics Include: -Features -Purpose -Components -Inspection Criteria -Sampling Sites					
PREV 107 3.5.1	Field Water Container Disinfection and Sanitation	Inspect and disinfect a field water container.		P1	
Topics Include: -Types -Emergency Water Containers -Equipment Cleaning -Disinfections and Sanitizing -Decontamination -Preventive Medicine Inspection Program -Inspection Criteria -Water Disinfection					
Unit 4: Auxiliary Water					
PREV 107 4.1.1	Waste Water Operations	Identify the components, policies, and responsibilities of wastewater and the operational features of a wastewater treatment plant.	C3		
Topics Include: -Purpose -Terminology -Federal Water Pollution Control Act -Disposal Policies -Governing Authority -Domestic Wastewater Composition -Disposal Systems and Treatment Methods -Treatment Process -Personnel Requirements					
PREV 107 4.2.1	Sludge Handling and Disposal	Describe the procedures for sludge handling and disposal.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Drying and Dewatering -Digestion -Disposal					
PREV 107 4.3.1	Recreational Water Operations: Swimming Pools	Identify characteristics of swimming pool operations to include building standards, inspections, water quality characteristics, and water sampling procedures.			
Topics Include: -Terminology -Governing Authority -Pool Types and Characteristics -Bather Load -Safety Regulations -Health Considerations -Health Hazards -Treatment Characteristics -Water Quality Requirements -Bacteriological Standards -Inspections -Record Requirements -Collection Procedures -Bacteriological Analysis -Remedial Actions					
PREV 107 4.3.2	Recreational Water Operations: Natural Bathing Areas	Identify characteristics of natural bathing area operations to include design, water quality characteristics, and water sampling procedures..	C2		
Topics Include: -Natural Bathing Area Design -Health Hazards -Water Quality Standards					
PREV 107 4.4.1	Cross Connections	Identify the relationship between plumbing cross-connections and health hazards.	C3		
Topics Include: -Terminology -Types -Backflow -Indicators -Control Methods -Calculations -Color Code Requirements					

PREV 109 Deployment Environmental Surveillance Program (DESP)

Course Description: This course concentrates on surveillance techniques for environmental sampling, including deployment surveillance standards.

Course Goals: Students will be able to collect and process ambient air, soil, water and surface samples for shipment.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Environmental Sampling and Assessments	7	13		2	6			28
2	Situational Training Exercise		4						4
Total		7	17	0	2	6	0	0	32

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Environmental Sampling and Assessments					
PREV 109 1.1.1	Ambient Air Sampling	Process ambient air samples for laboratory analysis.		P1	
Topics Include: -Terminology - Air Pollution Classifications - Air Pollution Categories - Ambient Air Contaminants - Ambient Air Standards - Air Pollution Variables - Air Pollution Factors - Equipment Applications and Capabilities - Pre-Sampling Procedures - Post-Sampling Procedures - Filter Recovery Procedures - Preparing Samples for Shipment					
PREV 109 1.2.1	Environmental Water Sampling	Process environmental water samples for laboratory analysis.		P1	
Topics Include: -Purpose -Capabilities and Limitations -Usage					
PREV 109 1.3.1	Soil Sampling	Process soil samples for laboratory analysis.		P1	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Hazards of Contaminated Soil -Methods of Soil Exposure -Soil Contaminants -Preparing a Soil Sampling Plan -Soil Sampling Protocol -Soil Sampling Safety Hazards -Types of Soil Samples -Soil Sample Collection Protocol					
PREV 109 1.4.1	Chemical Exposure Guidelines for Deployed Personnel	Determine the risks to deployed personnel from exposure to hazards.	C3		
Topics Include: -Purpose -Assumptions -Scope -Background -Audience -Applications and Limitations -Exposure Guidelines					
PREV 109 1.5.1	Occupational Environmental Health/Endemic Disease (OEH/ED) Assessment	Employ the risk management process requirements to determine operational risks from environmental hazards.		P1	
Topics Include: -Terminology -Principles -Processes -Applications -Factors -Assumptions					
Unit 2: Situational Training Exercise					
PREV 109 2.1.1	Situational Training Exercise (STX)	Perform environmental sampling and assessments in a field environment.		P1	

PREV 110 Operational Preventive Medicine II

Course Description: This course concentrates on specific preventive medicine measures, including Operational Risk Management (ORM) procedures, during disaster and humanitarian relief missions, basecamp assessments, and intelligence gathering for military briefings.

Course Goals: Students will be able to perform camp assessments and develop and deliver a medical threat brief.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Stability or Civil Support Operations (SoCSO)	14	10		2	6			32
Total		14	10	0	2	6	0	0	32

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Stability or Civil Support Operations (SoCSO)					
PREV 110 1.1.1	Introduction to Stability or Civil Support Operations (SoCSO)	Identify preventive medicine support to stability operations.	C3		
Topics Include: -Types -Roles -Principles -Battlefield Rules -Responsibilities					
PREV 110 1.2.1	Base Camp Assessment	Identify the proponents of conducting a base camp assessment to determine preventive medicine status.	C3		
Topics Include: -Aspects -Surveys -Assessments -Preventive Medicine Site Survey -Data Collection					
PREV 110 1.3.1	International Humanitarian Law	Identify preventive medicine requirements for international humanitarian law.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Policies -Human Rights -Protected Status -Medical Treatment Facilities -Detainee Categories -Treatment -Reporting Process					
PREV 110 1.4.1	Enemy Prisoner of War Camp	Determine the preventive medicine requirements for enemy prisoner of war, retained personnel, civilian internee, and other detainee camps.	C3		
Topics Include: -Terminology -Area Requirements -Refuse and Excreta -Vector Control -Potable Water -Food Safety -Communicable Diseases -Medical Care -Death and Burial Procedures -Prohibited Acts					
PREV 110 1.5.1	International Displaced Personnel/ Refugee Camp	Determine the IDP/Refugee camp requirements.	C3		
Topics Include: -Goals -Aspects -Types of Camps -Components -Requirements					
PREV 110 1.6.1	Medical Intelligence	Integrate operational medical intelligence pertinent to planning military operations.	C3		
Topics Include: -Terminology -Significance -Functions -Role -Sources					
PREV 110 1.7.1	Contemporary Operational Environmental and Medical Threat Briefings	Conduct medical threat briefings pertaining to a designated area.		P2	
Topics Include: -Briefing Types -Preparation Steps -Presentation Techniques					

PREV 200 Entomology

Course Description: This course concentrates on specific identification, surveillance, biology, and management of medically important pests.

Course Goals: Students will be able to perform all pest surveillance and control operations in both fixed and deployed settings.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Introduction to Medical Entomology	10	2		2				14
2	Public Health Pest Management I	24	6		2	1			33
3	Public Health Pest Management II	13	3		2	1			19
4	Pesticides	16	4		2	2			24
5	Pesticide Dispersal Equipment	9	5		2	3			19
6	Right of Way	9			2				11
7	Situational Training Exercise	1	21						22
Total		82	41	0	12	7	0	0	142

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Introduction to Medical Entomology					
PREV 200 1.1.1	Introduction to Arthropods	Identify the specimen by class and/or common name.		P2	
Topics Include: -Categories -Scientific Name -Physical Characteristics -Life Cycle Stages -Identification					
PREV 200 1.2.1	Introduction to Arthropod-borne Disease Vectors	Identify the various ways in which Arthropods may transmit disease pathogens to humans.	C3		
Topics Include: -Definitions and Components -Parasitic Organisms -Disease Transmission -Routes of Infection -Activities -Diseases					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 1.3.1	Care and Use of the Microscope Base Camp Assessment	State the proper procedures to use and handle a microscope.	C1		
Topics Include: -Use and Procedures -Components -Operation					
PREV 200 1.4.1	Principles of Insect Rearing	State the principles of insect rearing.	C1		
Topics Include: -Reasons -Requirements -Medically Important Arthropods					
PREV 200 1.5.1	Basic Principles of Arthropod Surveys	Select basic principles of arthropod surveys.	C2		
Topics Include: -Definitions -Characteristics -Requirements -Policies -Elements -Explanation					
PREV 200 1.6.1	Shipping Procedures of Medically Important Arthropods	Select the steps for shipping arthropods.	C2		
Topics Include: -Reasons -Factors -Ticks -Fleas					
PREV 200 1.7.1	Retrograde Cargo Inspections	Select processes to prepare, plan, and implement retrograde inspections.	C3		
Topics Include: -Purpose -Personnel -Terms and Descriptions -Requirements					
PREV 200 1.8.1	Arthropod Preservation	Select the correct methods to preserve and label arthropods.		P1	
Topics Include: -Preserved Arthropods -Collection					
PREV 200 1.9.1	Unit Level Preventive Medicine Measures	State the levels of protection/control of vector-borne disease vectors for deployed units.	C1		
PREV 200 1.9.2		State personal protective measures to prevent arthropod-borne diseases.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Resources -Responsibilities -Methods -Physical Barriers -Repellents					
Unit 2: Public Health Pest Management I					
PREV 200 2.1.1	Biology and Management of Ants and Other Household Pests	Select ways to identify and control ants and other household pests.	C2		
Topics Include: -Features -Procedures					
PREV 200 2.2.1	Biology and Identification of Termites	Identify termites.	C3		
Topics Include: -Physical Characteristics -Life Cycle and Habitat -Identification -Structural					
PREV 200 2.3.1	Management of Termites	Select appropriate measures in conducting termite control to include: inspection techniques, prevention and control measures.	C2		
Topics Include: -Principles -Building Construction -Measures -Procedures -Management					
PREV 200 2.4.1	Management of Wood Destroying Organisms	Identify and manage wood destroying organisms.	C3		
Topics Include: -Identification -Structural Damage -Conditions -Control Measures -Fungi					
PREV 200 2.5.1	Wood Preservation	Identify processes to preserve wood products.	C3		
Topics Include: -Characteristics -Identification -Definitions -Advantages and Disadvantages -Usage Precautions					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 2.6.1	Biology and Identification of Cockroaches	Select common species of commensal cockroaches.	C3		
Topics Include: -Life Cycle Stages -Habitats -Identification					
PREV 200 2.7.1	Management of Cockroaches	Select control measures for cockroach population.	C2		
Topics Include: -Steps -Methods -Measures					
PREV 200 2.8.1	Biology, Identification and Management of Stored Product Pests	Determine Integrated Pest Management (IPM) Control Measures.	C3		
Topics Include: -Insect Groups -Condemnation Levels -Environmental Factors -Responsibilities -Actions -Elements -Activity Offices					
PREV 200 2.9.1	Biology, Identification, and Management of Bedbugs, Fleas, and Lice	Select the principles of Integrated Pest Management (IPM) to control bedbug, flea or louse infestation.	C3		
Topics Include: -Features -Control Techniques					
PREV 200 2.10.1	Biology, Identification and Management of Ticks and Mites	Select Integrated Pest Management (IPM) in the control of ticks and mites.	C2		
Topics Include: -Behavior Characteristics -Techniques -Diseases					
PREV 200 2.11.1	Venomous Animals and Poisonous Plants	Select the characteristics of venomous arthropods, snakes and poisonous plants.	C2		
Topics Include: -Characteristics -Avoidance and Control -Factors					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 2.12.1	Management of Vertebrate Pests	Select the methods for controlling miscellaneous vertebrate pests.	C2		
Topics Include: -Reasons -Bird and Bat Management -Miscellaneous Pest Control					
PREV 200 2.13.1	Biology and Identification of Rodents	Select Integrated Pest Management (IPM) in the control of commensal rodents and the potential for disease transmission.	C3		
Topics Include: -Diseases -Vectors -Biological Needs -Physical Characteristics					
PREV 200 2.14.1	Management of Rodents	Select Integrated Pest Management (IPM) principles to control rodents.	C3		
Topics Include: -Habits and Habitats -Signs -Components					
Unit 3: Public Health Pest Management II					
PREV 200 3.1.1	Biology and Identification of Flies	Identify common species of commensal flies.	C3		
Topics Include: -Characteristics -Biological Characteristics -Reasons -Description -Identification					
PREV 200 3.2.1	Management of Flies	Select Integrated Pest Management (IPM) principles to control filth flies.	C3		
Topics Include: -Statements -Methods -Integrated Fly Management Method -Control Methods					
PREV 200 3.3.1	Mosquito Biology	Compare the biology and nature of different types of mosquitoes.	C2		
Topics Include: -Mosquito Genera -Types of Life Cycles -Conditions -Larval Mosquito					
PREV 200 3.4.1	Mosquito Borne Diseases	Select mosquito-borne diseases and their vectors.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Chain of Infection -Factors -Components -Diseases					
PREV 200 3.5.1	Malaria	Identify the etiology of malaria.	C2		
Topics Include: -Types -Internal Structures -Preventive Measures -Responsibilities					
PREV 200 3.6.1	Larval Mosquito Identification	Identify larval mosquitoes to genus.	C3		
Topics Include: -Identification -Genus Identification					
PREV 200 3.7.1	Adult Mosquito Identification	Identify common genera of mosquito disease vectors.	C3		
Topics Include: -Identification -Sex Determination -Genus Identification					
PREV 200 3.8.1	Mosquito Management	Select the principles of Integrated Pest Management (IPM) against mosquitoes.	C3		
Topics Include: -Life Cycle Stages -Bionomic Considerations -Reasons -Components -Stages and Methods -Survey Techniques -Techniques and Categories -Environmental Conditions					
Unit 4: Pesticides					
PREV 200 4.1.1	Pesticide Legislation and Regulations	Select the legislation and regulatory requirements for pesticides.	C2		
Topics Include: -Regulations -Actions -Legal Effects					
PREV 200 4.2.1	Environmental Hazards of Pesticide Use	Select Integrated Pest Management (IPM) principles to minimize environmental damage during pest management.	C3		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Environmental Consequences -Environmental Forces -Pesticide Contamination Reduction Techniques					
PREV 200 4.3.1	Pesticide Labeling	Select pesticide application within label specifications.	C2		
Topics Include: -References -Pesticide Label					
PREV 200 4.4.1	Types and Classification of Pesticides	Select a pesticide's chemical classification, characteristics and intended use.	C2		
Topics Include: -Terms and Definitions -Types -Modes of Action -Characteristics					
PREV 200 4.5.1	Pesticide Toxicity	Select the principles of toxicology to pesticide use.	C2		
Topics Include: -Definitions -Values -Routes of Entry -Poisoning Symptoms -First Aid					
PREV 200 4.6.1	Safe Handling of Pesticides	Select equipment for handling, mixing, and disposing of pesticides.	C2		
Topics Include: -Maintenance Procedures -Shop Design -Spill Contingency -Steps -Disposal					
PREV 200 4.7.1	Pesticide Formulations	Select the correct pesticide formulation for a specified pesticide application situation.	C2		
Topics Include: -Diluents -Formulations -Advantages and Disadvantages					
PREV 200 4.8.1	Pesticide Calculations	Determine a pesticide calculation problem with applicable formulas.	C2		
Topics Include: -Dimensions -Pesticide Amounts -Dilution					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 4.9.1	Pesticide Records and Reports	Select policies, standards, and procedures for recording pest management activities.	C2		
Topics Include: -Purposes -Users and Organizations -Inventory Listing -DD Form 1532-1 -DD Form 1532 -Reporting Media					
PREV 200 4.10.1	Principles of Integrated Pest Management	Select Integrated Pest Management (IPM) principles.	C3		
Topics Include: -Definitions -Pest Control Measures -Considerations -Components					
PREV 200 4.11.1	Field Problems in Integrated Pest Management	Determine Integrated Pest Management (IPM) techniques.	C3		
Topics Include: -Identification -Economic Threshold -Control Strategy -Management -Evaluation					
Unit 5: Pesticide Dispersal Equipment					
PREV 200 5.1.1	Pesticide Application Techniques	Select the formulation, equipment and application technique to bring about the desired level of pest control.	C2		
Topics Include: -Factors -Application Techniques -Characteristics -Methods -Nozzle Type					
PREV 200 5.2.1	Pest Control Operation Plan	Determine the equipment best suited to each job based on the characteristics, advantages and limitations.		P1	
Topics Include: -Pest Control Operation -Control Methods -Factors					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 5.3.1	Operation, Maintenance, and Calibration of Pesticide Dispersal Equipment: Compressed Air	Maintain, calibrate and operate the compressed air sprayer.		P1	
Topics Include: -Components -Calibration -Situations -Maintenance					
PREV 200 5.4.1	Operation, Maintenance, and Calibration of Pesticide Dispersal Equipment: Sprayer, Pesticide, Electric, Liquid (SPEL)	Maintain, calibrate and operate the SPEL.		P1	
Topics Include: -Components -Calibration -Situations -Maintenance					
PREV 200 5.5.1	Operation, Maintenance, and Calibration of Pesticide Dispersal Equipment: STINGER	Maintain, calibrate and operate the Stinger.		P1	
Topics Include: -Components -Calibration -Situations -Maintenance					
PREV 200 5.6.1	Operation, Maintenance, and Calibration of Pesticide Dispersal Equipment: Backpack Mister	Maintain, calibrate and operate the backpack mister.		P1	
Topics Include: -Components -Calibration -Situations -Maintenance					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 5.7.1	Operation, Maintenance, and Calibration of Pesticide Dispersal Equipment: Aerosol Generator, Ultra-Low Volume and Electric (AGULVE)	Maintain, calibrate and operate the AGULVE.		P1	
Topics Include: -Components -Calibration -Situations -Maintenance					
Unit 6: Right of Way					
PREV 200 6.1.1	Introduction to Right-of-Way Management	Select appropriate integrated pest management principles to vegetation management situations.	C3		
Topics Include: -Definitions -Effects -Modes of Dissemination -Control Methods					
PREV 200 6.2.1	Plant Biology	Select principles of plant biology to manage unwanted plants or pests of desirable plants.	C2		
Topics Include: -Plant Types -Definitions -Stages -Factors					
PREV 200 6.3.1	Right-of-Way Pesticides	Select an appropriate herbicide for a given vegetation management situation.	C2		
Topics Include: -Definitions -Environmental Factors -Types -Problems					
PREV 200 6.4.1	Natural Resource Conservation Programs	Select processes to prepare, or supervise preparation of an Integrated Natural Resources Management Plan.	C2		
Topics Include: -Programs -Objectives -Roles -Policy					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 200 6.5.1	Field Problems in Vegetation Management	Select appropriate Vegetation Management.		P1	
Topics Include: -Formulations -Calculations -Personal Protective Equipment					
Unit 7: Situational Training Exercise					
PREV 200 7.1.1	Situational Training Exercise	Perform preventive medicine pest management functions in a field environment.		P1	

OSH 101-N Occupational Safety and Health

Course Description: This course provides an introduction to occupational safety and health with a concentration on occupational health programs common to Navy workplaces.

Course Goals: Students will gain knowledge on maintaining programs ashore and afloat related to Naval occupations.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Navy Occupational Safety and Health Program	14			2				16
2	Occupational Health	44	8		8	2			62
Total		58	8	0	10	2	0	0	78

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Navy Occupational Safety and Health Program					
OSH 101-N 1.1.1	Introduction to the Navy's Occupational Safety and Health Program	State the details associated with the Navy's Occupational Safety and Health Program.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Terminology -Occupational Safety and Health Act -Factors Contributing to OSHAct's Passage -OSHA Provisions -Federal Oversight Agencies -NAVOSH Program Influence -NAVOSH Program Policies -NAVOSH Program Elements -NAVOSH Program References -NAVOSH Program Responsibilities -Occupational Safety and Health Program Afloat Responsibilities -Safety Inspection Purpose -Workplace Industrial Hygiene Surveys Purpose -Shipboard Safety Surveys Purpose -Workplace Oversight Inspections Purpose					
OSH 101-N 1.2.1	Occupational Safety in the Work Place	State the safety requirements for U.S. Navy workplaces.	C1		
Topics Include: -Terminology -Hazard Control and Deficiency Abatement Program -Hazard Control Principles -Hazard Abatement Procedures -Risk Assessment Code (RAC) Criteria -Hazard Reporting Procedures -Workplace Ventilation Systems -Environmental Factors -Entry Routes -Personal Protective Clothing and Equipment -Color Coding Physical Hazards -Permissible Exposure Limits Calculation -Threshold Limit Value (TLV) Calculation -Time-Weighted Average (TWA) Calculation -NAVOSH Training Program Elements					
Unit 2: Occupational Health					
OSH 101-N 2.1.1	Occupational Health Program	State the structure of an occupational health organization.	C1		
OSH 101-N 2.1.2		State the function of each component.	C1		
Topics Include: -Terminology -Occupational Health Organization Subdivisions -Occupational Health Organization Functions -Workplace Monitoring Requirements					
OSH 101-N 2.2.1	Medical Surveillance Exam	Create a medical surveillance examination database utilizing the personal computer (PC) medical matrix software.		P3	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Topics Include: -Medical Surveillance Exam -Medical Surveillance Procedures Manual and Medical Matrix Purpose -Medical Surveillance Questionnaire Completion and Program Placement -Medical Surveillance Examination Records -Hazard Specific Examinations -Medical Matrix Creation					
OSH 101-N 2.3.1	Asbestos Control Program	Discuss the various elements of the Navy's Asbestos Control Program.	C2		
Topics Include: -Terminology -Asbestos Types and Characteristics -Adverse Asbestos Exposure -Asbestos Exposure -Asbestos Control Program Responsibilities -Asbestos Control Program Elements -Asbestos Hazard Identification -Asbestos Permissible Exposure and Allowable Limit -Asbestos Control Procedures -Asbestos Bulk Sample Collection and Submission -Asbestos Disposal -Asbestos Control Program Training -Asbestos Medical Surveillance Program (AMSP) Requirements -AMSP Record Maintenance					
OSH 101-N 2.4.1	Hearing Conservation Program	Describe the various elements of the Navy's Hearing Conservation Program (HCP).	C2		
Topics Include: -Terminology -Hearing Conservation Program -Occupational Exposure PEL -Noise Measurement and Exposure Assessment -Personnel Qualifications -Sound Level Meters -Sound Level Measurements -Hazardous Noise Areas -Ear Anatomy -Hearing Process -Sound Properties -Hearing Impairment -Hearing Loss Characteristics -Hearing Test -Threshold Shift Types -Significant Threshold Shift -Post-Monitoring Hearing Test Disposition -Noise Abatement -Personal Hearing Protection -Fit Testing Earplugs -HCP Record Keeping					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
OSH 101-N 2.5.1	Sight Conservation Program	Describe the various elements of the Navy's Sight Conservation Program.	C2		
Topics Include: <ul style="list-style-type: none"> -Terminology -Sight Conservation Program Elements -Protective Eyewear ANSI Standards -Eye Hazardous Operations -Sight Conservation Program Responsibilities -Eye Hazardous Area -Sight Protection Equipment Issuance and Maintenance -Temporary Protective Eyewear Issuance -Emergency Eyewash Facilities -Medical Screening Requirements -Training Requirements 					
OSH 101-N 2.6.1	Respiratory Protection Program	Describe the various elements of the Navy's Respiratory Protection Program.	C2		
Topics Include: <ul style="list-style-type: none"> -Terminology -Respiratory Protection Program Elements -Respirator Use -Respirator Regulations -Respiratory Protection Program Responsibilities -Respirator Types -Respirator Selection -Respirator Limitations -Supplied Air Respirators -Respirator and Cartridge Labeling and Color Coding -Respirator Failure -Immediately Dangerous to Life or Health (IDLH) Environments -Request for Medical Clearance -Respirator Program Training -Respirator Program Disqualification Conditions -Respirator Program Medical Surveillance Requirements -Respirator Program Record Keeping 					
OSH 101-N 2.7.1	Lead Control Program	Describe the various elements of the Navy's Lead Control Program.	C2		
Topics Include: <ul style="list-style-type: none"> -Terminology -Lead Control Program Elements -Occupational Lead Exposure -Lead Control Program Responsibilities -Lead Use Regulations -Lead Control Program Survey Requirements -Lead PEL and Action Level -Lead Control Procedures -Adverse Health Effects -Lead Exposure Notification -Lead Control Program Record Keeping -Lead Control Program Record Keeping -Medical Requirements 					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
OSH 101-N 2.8.1	Bloodborne Pathogens	Describe the health and safety standards for occupational exposure to bloodborne pathogens.	C2		
Topics Include: -Terminology -Bloodborne Pathogens Responsibilities -Bloodborne Pathogens Transmission -Bloodborne Pathogen Exposure Control Plan -Occupation Exposure -Occupation Exposure Prevention -Occupation Exposure Medical Surveillance -Occupation Exposure Training Requirements -Occupation Exposure Record Keeping -Contaminated Materials Handling -Contaminated Materials Disposal -Medical Management Exposure					
OSH 101-N 2.9.1	Heat Stress Program	Describe the various elements of the Navy's Heat Stress Program.	C2		
Topics Include: -Terminology -Heat Injury -Heat Injury Protective Measures -Thermoregulatory Mechanism -Heat Acclimatization Process -Report of Heat/Cold Injury (NAVMED 6500/1) -Heat Stress Program Responsibilities -Heat Stress Program Elements and Training Requirements					
OSH 101-N 2.10.1	Heat Stress Surveys	Conduct a Heat Stress Survey.		P2	
Topics Include: -Heat Stress Monitoring -Heat Stress Material Requirements -Heat Stress Survey Conditions -Dry-Bulb Thermometer -Wet-Bulb Globe Temperature (WBGT) Meter -Motorized Psychrometer -Automated Monitoring System -Dry-Bulb Thermometer Use -Heat Stress Environment Procedures -Physiological Heat Exposure Limit -PHEL Determination -Heat Exposure Limits -WBGT Meter Validation -Heat Stress Monitoring Report -WBGT Index Mathematical Formula -Personnel Disposition -Heat Stress Survey					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
OSH 101-N 2.11.1	Hazardous Materials Control and Management	Describe the various elements of the Navy Hazardous Materials Control and Management (HMC&M) Program.	C2		
Topics Include: -Terminology -Federal Hazard Communication Standard -Elements of HMC&M -Personnel Responsibilities -Inventory Requirements -Authorized User List -Material Safety Data Sheets (MSDS) -DoD 6050.5LR and 6050.5L -Maintenance Requirements -HMC&M CD-ROM Elements -Safety Procedures -Emergency Response Requirements -Training Requirements					

PREV 113-N Environmental Sanitation

Course Description: This course provides an in-depth study of environmental sanitation regulations and requirements for military facilities and platforms.

Course Goals: Students will gain knowledge on various environmental habitability policies and the requirements for maintaining the highest degree of sanitation.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Environmental Sanitation Ashore and Afloat	16			2				18
2	Child and Youth, Pediatric Lead Poisoning, and Infection Control Programs	14			2				16
3	Shipboard Sanitation Control Program (SSCP)	8			2				10
Total		38	0	0	6	0	0	0	44

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Environmental Sanitation Ashore and Afloat					
PREV 113-N 1.1.1	Living Spaces Ashore and Afloat	Describe the sanitation and habitability requirements for living spaces ashore and afloat.	C2		
Topics Include: -Terminology -Shipboard Sanitation and Habitability for Living Spaces -Shipboard Sanitation and Habitability for Confined Facilities -Personnel Requirements for Conducting Shipboard Sanitation Inspections -Ashore Sanitation and Habitability -PMT Responsibilities					
PREV 113-N 1.2.1	Barber and Beauty Shop	Describe the sanitation and habitability requirements for barber and beauty shops.	C2		
Topics Include: -Terminology -Employee Health Requirements -Medical Conditions -Health and Sanitation Requirements -Instrument Maintenance -Instrument Disinfection -Sanitation Inspections					
PREV 113-N 1.3.1	Mobile Home Parks	Describe the sanitation and habitability requirements for mobile home parks.	C2		
Topics Include: -Terminology -Mobile Home Park Requirements					
PREV 113-N 1.4.1	Laundry Facilities	Describe the sanitation and habitability requirements for laundry facilities.	C2		
Topics Include: -Employee Health and Hygiene Requirements -Sanitation and Safety Requirements -Laundry Hygiene -Soiled Laundry -Contaminated Laundry					
PREV 113-N 1.5.1	Miscellaneous Area Sanitation	Describe the sanitation and habitability requirements for miscellaneous areas.	C2		
Topics Include: -Playground Habitability -Miscellaneous Area Sanitation					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 2: Child and Youth, Pediatric Lead Poisoning, and Infection Control Programs					
PREV 113-N 2.1.1	Child and Youth Programs	Describe the sanitation and habitability requirements for child and youth programs.	C2		
Topics Include: -Terminology -Employee Health Requirements -Staff to Child Ratios -Written Health and Sanitation Standards -Child and Youth Program Health and Sanitation Standards					
PREV 113-N 2.2.1	Pediatric Lead Poisoning Prevention (PLPP) Program	Describe the Navy's Pediatric Lead Poisoning Prevention (PLPP) Program.	C2		
Topics Include: -PLPP Screening Plan -Health Effects of Lead Exposure -Responsibilities -Medical Screening Program -Blood Lead Test -Evaluation and Management -Counseling Process -Reporting Requirements					
PREV 113-N 2.3.1	Infection Control	Describe the guidelines for the prevention and control of infections.	C2		
Topics Include: -Terminology -Surveillance Plan -Infection Control Committee -Infection Control Committee Responsibilities -Tiers of Isolation Precautions -Patient Isolation					

PREV 114-N Shipboard Water Sanitation

Course Description: This course provides instruction on potable and waste water standards aboard naval vessels.

Course Goals: Students will gain an understanding in the various methods of disinfecting, storing, and environmental standards of potable water. Students will be able to perform potable water and wastewater inspections.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Potable Water Supply	8			2				10
2	Wastewater Afloat	6							6
Total		14	0	0	2	0	0	0	16

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Potable Water Supply					
PREV 114-N 1.1.1	Potable Water Supply Afloat	Describe the potable water supply requirements for operational forces afloat.	C2		
Topics Include: -Terminology -Potable Water Supply Afloat Responsibilities -Usage Requirements -Approved Sources -Production Systems -Systems Components -Sanitary Requirements -Coding and Labeling Requirements -Potable Water Transfer -Contamination Causes and Sources -Water Testing -Reporting Requirements -Chlorine Dosage Calculation -Disinfection Procedures -Halogen Residual Disinfection -Disinfection Steps -Taste and Odor Control -Calcium Hypochlorite (HTH) Storage -Bromine Storage -Water Sanitation Bill Elements -Potable Water Log					
Unit 2: Wastewater Afloat					
PREV 114-N 2.1.1	Wastewater Afloat	Describe the procedures for wastewater treatment and disposal for forces afloat.	C2		
Topics Include: -Marine Sanitation Devices Computer-Based Training					

PREV 108-A Industrial Hygiene (IH)

Course Description: This course concentrates on fundamental concepts of Occupational Safety and Health (OSH) as it relates to industrial hygiene including theory, application, and implementation.

Course Goals: Students will be able to conduct measurements in air, sound and ventilation systems. Students will gain knowledge in proper preventive medicine procedures pertaining to Industrial Hygiene operations.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Industrial Hygiene (IH)	49	25		6	8			88
Total		49	25	0	6	8	0	0	88

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Industrial Hygiene					
PREV 108-A 1.1.1	Introduction to Industrial Hygiene	Identify the laws and regulations that affect the current practice of industrial hygiene.	C3		
Topics Include: -Industrial Hygiene Practices -Milestones -Historical Events					
PREV 108-A 1.2.1	Stats and Error 1	Identify the definition of exact numbers, measured numbers, rules for rounding and significant figures when calculating.		P1	
Topics Include: -Definitions -Rules for Rounding -Significant Figures -Rounding During Calculations					
PREV 108-A 1.3.1	Industrial Toxicology	Identify and classify toxic substances in occupational health and environmental setting.	C2		
Topics Include: -Actions -Factors -Routes and Entry -Classification Methods -Responses					
PREV 108-A 1.4.1	Hazardous Communication	Select occupational exposures of hazardous chemicals to include communication compliance requirements.	C2		
Topics Include: -Regulatory References -Program Elements -Information					
PREV 108-A 1.5.1	Heat Stress	Employ the methodology and implement the recommendations to prevent Heat Stress.		P1	
Topics Include: -Terminology -Heat Loss and Gain -Environmental Factors -Wet Bulb Globe Thermometer -Calculations -Prevention					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 108-A 1.6.1	Cold Stress	Employ the methodology and implement the recommendations to prevent Cold Stress.		P1	
Topics Include: -Environmental Factors -Types of Cold Injuries -Characteristics -Wind-Chill Equivalent Temperature -Prevention					
PREV 108-A 1.7.1	Hazardous Evaluation Criteria	Identify the occupational exposure limits in accordance with regulatory references.	C3		
Topics Include: -Exposure Assessment Model -Occupational Exposure Limits -Regulatory References					
PREV 108-A 1.8.1	Stats and Error 2	Given air sampling data and DOEHRS-IH statistical analysis, classify the exposure as acceptable, uncertain, or unacceptable.		P1	
Topics Include: -Steps -Actions -Tasks					
PREV 108-A 1.9.1	Air Sampling	Evaluate the air borne concentration in the occupational setting.		P1	
Topics Include: -Reasons for Air Sampling -Methods -Air Sampling Devices -Advantages -Characteristics -Descriptions and Usage -Definitions -Sampling Types -Calibration -Volumetric Airflow -Calculations					
PREV 108-A 1.10.1	Sound Level Measurement	State the effects of Occupational Noise exposure.		P1	
Topics Include: -Components of Sound -Units of Measure -Definitions -Noise Exposure Control Standards -Times for Noise Level Evaluations -Locations for Posting Signs -Descriptions of a Noise Dosimeter -Sound Level Calculations -Testing Needs					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 108-A 1.11.1	Ventilation	Determine the adequacy of the ventilation system designed to control a chemical/physical occupational hazard.		P1	
Topics Include: -Advantages of Dilution and Local Exhaust Ventilation -Components -Volumetric Airflow -Ventilation Measurements -Ventilation Operations					
PREV 108-A 1.12.1	Respiratory Protection	Identify the components of an Army Respiratory Protection Program.	C2		
Topics Include: -Responsibilities -Requirements -Factors -Devices -Definitions -Procedures -Calculations -Fit Testing -Agencies					
PREV 108-A 1.13.1	Illumination Surveys	Conduct an illumination survey.		P1	
Topics Include: -Terms and Definitions -Requirement Levels -Measurement					
PREV 108-A 1.14.1	Occupational Diseases	Identify various work-related occupational diseases.	C3		
Topics Include: -Types -Signs -Symptoms -Economic Effects -Factors -Treatment -Dermatitis					
PREV 108-A 1.15.1	Indoor Air Quality	Determine the correct procedures to identify, assess and remediate indoor environment.	C3		
Topics Include: -Sources -Types of Health Effects -Remediation -Levels -Procedures -Personal Protective Equipment (PPE)					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 108-A 1.16.1	Confined Space	Identify the basic concepts, practices, and procedures to protect employees from the hazards of entry into confined spaces.	C2		
Topics Include: -Definitions -Hazards -Procedures -Training Requirements -Testing and Monitoring -Work Practices					
PREV 108-A 1.17.1	Ergonomics	Discuss the goals of an occupational ergonomic program.	C2		
Topics Include: -Disorders -Injuries -Causes					
PREV 108-A 1.18.1	Personal Protective Equipment	Identify the characteristics of personal protective equipment.	C3		
Topics Include: -Regulations -Equipment -Respiratory Devices -Respirator Types -Respirator Requirements -Maintenance -Nomenclature -Inspection -Workers					
PREV 108-A 1.19.1	Survey Preparation	Develop assessment plan, gather and calibrate equipment appropriate for Motorpool survey.		P1	
Topics Include: -Assessment Plan -Equipment -Calibrate -Personal Protective Equipment (PPE)					
PREV 108-A 1.20.1	Motorpool Survey	Perform an assessment for occupational hazards by gathering and analyzing data.		P1	
Topics Include: -Assessment -Gather Data -Analyze Data					

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 108-A 1.21.1	Student Presentation Preparation	Identify the resources and regulatory references for recommendations to hazards.	C2		
Topics Include -Resource -Regulatory Reference -Analyze -Exposure Limits -Recommendation					

PREV 202-A Field Training Exercise (FTX)

Course Description: This course is a final cumulative evaluation of preventive medicine curriculum.

Course Goals: Students will be able to perform food, water, entomological, and other environmental and public health inspections, sampling, and surveillance culminating with a Preventive Medicine Mission Brief to a Battalion Commander or equivalent.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Field Training Exercise (FTX)	1	39			8			48
Total		1	39	0	0	8	0	0	48

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Field Training Exercise (FTX)					
PREV 202-A 1.1.1	Field Training Exercise	Performs preventive medicine functions in all aspects of training.		P2	
PREV 202-A 2.1.1	Maintain, Employ, Engage with assigned weapon	Perform function check		P2	
		Correct malfunctions		P2	
		Maintain assigned weapon		P2	
PREV 202-A 2.2.1	Move Under Fire	Move Under Direct Fire		P2	
		Move Over, Through, or Around Obstacles (Except Minefields)		P2	
		React to Indirect Fire While Dismounted		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		React to Indirect Fire While Mounted (MOS Specific)		P2	
		React to Direct Fire While mounted (MOS Specific)		P2	
		Select Temporary Fighting Positions		P2	
PREV 202-A 2.3.1	Perform Voice Communications	Perform Voice Communications		P2	
		Request Medical Evacuation		P2	
		Prepare and send SITREP		P2	
		Prepare and send UXO report		P2	
PREV 202-A 2.4.1	Use Visual Signaling Techniques	Use Visual Signaling Techniques		P2	
PREV 202-A 2.5.1	React to Chemical or Biological Attack/Hazard	React to Chemical or Biological (CB) Hazard/Attack		P2	
		Protect Yourself from Chemical and Biological (CB) Contamination Using Your Assigned		P2	
		Maintain Your Assigned Protective Mask		P2	
PREV 202-A 2.6.1	First Aid	Perform First Aid to Clear an Object Stuck in the Throat of a Conscious Casualty		P2	
		Perform First Aid to Prevent or Control Shock		P2	
		Perform First Aid to Restore Breathing and/or Pulse		P2	
		Perform First Aid for a Bleeding and/or Severed Extremity		P2	
		Transport a Casualty		P2	
		Apply CAT Tourniquet		P2	
		Apply emergency Trauma bandage		P2	
		Perform first aid for burns		P2	
PREV 202-A 2.7.1	Perform Counter IED	React to a Possible Improvised Explosive Device (IED) (Unclassified/For Official Use Only)		P2	
		Identify Visual Indicators of an Improvised Explosive Device (IED) (Unclassified / For Official Use Only) (U/FOUO)		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 202-A 2.8.1	Maintain Situational Awareness / Every Soldier as Sensor	Perform surveillance without the aid of electrical devices		P2	
		Report information of potential intelligence value		P2	
PREV 202-A 2.9.1	Perform Combatives	React to man to man contact		P2	
PREV 202-A 2.10.1	Grow Professionally and Personally	Develop professional and personal goals		P2	
		Develop and grow professionally and personally in the five areas of comprehensive Soldier Fitness		P2	
PREV 202-A 3.1.1	React to Contact	Select Temporary Fighting Positions		P2	
		Use Visual Signaling Techniques		P2	
		Move Under Direct Fire		P2	
		React to Indirect Fire While Dismounted		P2	
		React to Indirect Fire While Mounted		P2	
		React to Direct Fire While Mounted		P2	
		Perform Voice Communications			
PREV 202-A 3.2.1	Establish Security	Select Temporary Fighting Positions		P2	
		Perform Voice Communications		P2	
		Challenge Persons Entering Your Area		P2	
		Perform Duty as a Guard		P2	
		Control Entry to and From a Restricted Area		P2	
		Search a vehicle for Explosive Devices or Prohibited Items as an Installation Access Control Point		P2	
		Practice noise, light and litter discipline		P2	
		Control Access to a Military Installation		P2	
		Use visual signaling techniques		P2	
PREV 202-A 3.3.1	Perform Actions as a Member of a Convoy	Dismount a Vehicle		P2	
		React to a Vehicle Rollover		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		Establish Security While Mounted		P2	
		Perform 5/25 meter scans		P2	
		Perform Voice Communications		P2	
PREV 202-A 3.4.1	Evaluate a Casualty	Request Medical Evacuation		P2	
		Evaluate a Casualty		P2	
		Perform First Aid to Clear an Object Stuck in the Throat of a Conscious Casualty		P2	
		Perform First Aid to Prevent or Control Shock		P2	
		Perform First Aid to Restore Breathing and/or Pulse		P2	
		Perform First Aid for a Bleeding and/or Severed Extremity		P2	
		Transport a Casualty		P2	
		Evacuate Casualties		P2	
		Perform Voice Communications		P2	

PREV 250-N Final Evaluation Problem (FEP)

Course Description: This course is a final cumulative evaluation of preventive medicine curriculum.

Course Goals: Students will be able to perform food, water, entomological, and other environmental and public health inspections, sampling, and surveillance culminating with a Preventive Medicine Mission Brief to a Battalion Commander or equivalent.

Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Final Evaluation Problem (FEP)		24			8			32
Total		2	22	0	0	8	0	0	32

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1: Final Evaluation Problem (FEP)					
PREV 250-N 1.1.1	Submit a MER	Identify the disease from the signs and symptoms displayed by patient.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		Develop a memorandum with a treatment plan for the disease.		P2	
PREV 250-N 1.2.1	Foodborne Investigation Report	Identify the food which caused the foodborne illness.		P2	
		Develop a memorandum of results.		P2	
PREV 250-N 1.3.1	Tuberculosis (TB) Control Program	Develop a plan of action for a non-compliant patient, new converter, or active TB contact.		P2	
PREV 250-N 1.4.1	NAVOSH	Identify the program that workers belong in based on an Industrial Hygiene Survey conducted in the workplace.		P2	
		Submit surveillance report.		P2	
PREV 250-N 1.5.1	Immunizations	Develop a memorandum to request needed supplies based on current Medical Readiness, Alpha Roster and supplies on-hand.		P2	
		Establish a viable plan of action to increase readiness above 90%.		P2	
PREV 250-N 1.6.1	Sanitary Inspections	Conduct a gym inspection and submit an inspection report.		P2	
		Conduct a habitability inspection of barracks room and submit an inspection report.		P2	
		Conduct a food service facility inspection and submit an inspection report.			
		Conduct a self serve laundry room inspection and submit an inspection report			
PREV 250-N 1.7.1	Water Sample Testing	Collect halogen water samples, conduct water analysis and submit a report.		P2	
		Collect weekly bacteriological water samples, conduct water analysis and submit a report			
PREV 250-N 1.8.1	STI Patient Interview	Conduct STI interview and counseling of patient.		P2	
PREV 250-N 1.9.1	Medical Threat Brief	Prepare medical threat brief.		P2	
PREV 250-N 1.10.1	Heat Stress	Conduct heat stress survey.		P2	

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
PREV 250-N 2.1.1	Base Camp Requirements	Develop a base camp diagram given a scenario.		P2	
PREV 250-N 2.2.1	Remediation	Remediate student on any tasks based on performance.		P2	
PREV 250-N 2.3.1	Evaluation	Evaluate students on performance.		P2	