



Fellowship in the Academy
of Wilderness Medicine

Elective Credits

01-Diving and Hyperbaric Medicine

- 01-005 Introduction to Hyperbaric Oxygen
- 01-006 Marine Envenomations
- 01-007 Introduction to Hyperbaric Chamber Operations
- 01-008 Duties and Roles of the Dive Medical Officer
- 01-009 Evaluating the Fitness to Dive
- 01-011 Altitude and Diving
- 01-012 Diving Accident Management
- 01-013 Long Term Consequences of Diving
- 01-014 Principles of Recompression Therapy
- 01-015 Diving and Special Populations
- 01-016 Oxygen Toxicity
- 01-017 Case Scenarios in Diving Accidents
- 01-018 Case Scenarios in Recompression Therapy
- 01-019 Introduction to Mixed-Gas, Closed
- 01-020 Closed Circuit Diving
- 01-021 Open Water Rescue Techniques
- 01-022 Diving Ophthalmology
- 01-023 Women and Diving
- 01-024 Shark Attacks
- 01-025 Nitrogen Narcosis
- 01-026 Decompression Illness
- 01-027 Breath-Hold Diving
- 01-028 Dive Equipment & Management
- 01-029 Inert Gas Exchange
- 01-030 History of Diving
- 01-031 Mechanisms and Risks of Decompression
- 01-032 Pathophysiology of Decompression Illness
- 01-033 Treatment of Decompression Illness
- 01-034 Inert Gas Narcosis
- 01-035 High Pressure Nervous System Syndrome
- 01-036 Cold Water Diving
- 01-037 Human Performance Underwater
- 01-038 Ear and Sinus Problems in Diving
- 01-039 Neurologic Disorders and Diving
- 01-040 Diabetes and Diving
- 01-041 Understanding the Dive Tables
- 01-042 Underwater Navigation
- 01-043 Diving Thermal Extremes

02-Tropical and Travel Medicine

- 02-003 Viral Illness while Traveling
- 02-006 Managing a Travel Medicine Clinic
- 02-011 Group Travel Exercises
- 02-013 Children & Elderly in the Wilderness



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02-Tropical and Travel Medicine - continued

- 02-015 Surviving Hostage Situations
- 02-016 Rabies
- 02-018 Plague
- 02-019 Viral Hepatitis
- 02-020 Recognition and Management of Dengue Fever
- 02-021 The Immunocompromised Traveler
- 02-022 Air Travel Medicine
- 02-024 Lyme Disease
- 02-025 Advice for Travelers with Heart and Lung Problems
- 02-026 Resources for Pre-travel Preparation
- 02-027 Special Considerations of Long-term Travel and the Expatriate
- 02-031 Hanta Virus
- 02-032 Leptospirosis
- 02-036 Special Medical Considerations in African Travel
- 02-037 Special Medical Considerations in Central American Travel
- 02-038 Special Medical Considerations in South American Travel
- 02-039 Special Medical Considerations in South East Asian Travel
- 02-040 Special Medical Considerations in South West Asian Travel
- 02-041 Special Medical Considerations in Central Asian Travel
- 02-042 Special Medical Considerations in European Travel
- 02-043 Case Studies in Diarrhea in Travelers
- 02-044 Case Studies in Dermatology
- 02-045 Case Studies in Fever in Travelers
- 02-046 Case Studies in Malaria in Travelers
- 02-047 Case studies and Pre-travel advice for Women
- 02-048 Case Studies in Immunizations
- 02-050 Water-borne Parasitic Infections
- 02-052 The Interpersonal Features of Group Travel
- 02-053 Ebola Virus
- 02-054 Infectious Disease in Adventure Travel
- 02-055 Persistent Diarrhea after Travel
- 02-056 Pathogens in Adventure Travel
- 02-057 HIV and Adventure Travel
- 02-058 Tuberculosis and Adventure Travel
- 02-059 Medical Considerations of Air Travel
- 02-060 Cruise Ship Medicine
- 02-061 Chagas Disease
- 02-062 Schistosomiasis
- 02-063 Hemorrhagic Fever
- 02-064 Water-borne Parasitic Infections
- 02-065 Emerging Infections
- 02-066 The Interpersonal Features of Group Travel
- 02-067 Food Inspection and Preparation
- 02-068 Pediatric Wilderness Medicine
- 02-069 Cholera



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03-High Altitude and Mountaineering Medicine

- 03-003 Altitude Sickness and Miscellaneous Disorders
- 03-005 Altitude Considerations in the General Traveler
- 03-006 Exercise at High Altitude
- 03-008 High Altitude Pulmonary Edema
- 03-009 High Altitude Cerebral Edema
- 03-010 The Eye at High Altitude
- 03-011 Pregnancy at High Altitude
- 03-012 Nutrition at High Altitude
- 03-013 Mountain Medicine in Extreme Environments
- 03-014 Women and High Altitude Adventure Travel
- 03-015 Children and High Altitude Adventure Travel
- 03-016 Drug Abuse in High Altitude Climbing
- 03-017 Acclimatization
- 03-018 High Altitude Neurologic Disorders
- 03-019 Gamow Bag
- 03-020 Avalanche Rescue
- 03-021 Critical Incident Management
- 03-022 High Altitude Pharmacology
- 03-023 Injuries from Climbing
- 03-024 Cognitive Impairment in High-Risk Wilderness Settings
- 03-025 Overview of Avalanche

04-Expedition Medicine

- 04-003 Medical Kits for Expeditions
- 04-004 Medicine at the Poles
- 04-005 Psychological Issues in Adventure Travel

05-Survival, Field Craft and Equipment

- 05-002 Extreme Weather
- 05-005 Leave No Trace Camping/Hiking
- 05-007 Backpacking Skills
- 05-011 Survival Shelters
- 05-012 Survival Signaling
- 05-014 Survival Leadership
- 05-016 All purpose Ropes and Knots
- 05-017 Surviving in the Desert
- 05-018 Knife & Tool Selection for Travel in the Wilderness
- 05-019 Celestial Navigation
- 05-020 Plant Identification & Collection
- 05-021 Surviving at the Poles
- 05-022 Surviving at Sea
- 05-023 Surviving in the Jungle
- 05-024 Wilderness Survival for Kids
- 05-025 GPS Navigation



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05-Survival, Field Craft and Equipment - continued

- 05-027 Marine Medical Kit
- 05-028 Survival in Extreme Environments
- 05-029 General Gear Selection - First Aid Kits, Packing and Outdoor Equipment
- 05-030 Fire Safety for Wildlands
- 05-031 Portable Ultrasound in Wilderness Medicine
- 05-032 The Dive Medical Officer Medical Kit
- 05-033 Medical Kits for Desert Travel
- 05-034 Cold Weather Clothing Selection
- 05-035 Medical Aspects of Flooding
- 05-036 Clothing for Desert Travel
- 05-037 Maritime Communications and Emergencies

06-Safety, Rescue and Evacuation

- 06-002 Avalanche Rescue
- 06-003 Critical Incident Management
- 06-004 Critical Incident Debriefing and Psychology
- 06-005 Fire-Ground Rescue Operations
- 06-006 White Water Injuries and Rescue
- 06-007 Introduction to High Angle Rescue Operations
- 06-009 Transporting the Dead
- 06-010 Accidents and Rescue Operations in Mountaineering
- 06-011 Wilderness Rescue for Backcountry Travelers
- 06-012 Forensic Search and Rescue
- 06-013 Improvised Rescue Techniques
- 06-014 Maritime Medicine
- 06-015 Telemedicine in Extreme Environments
- 06-016 Post Traumatic Stress Disorder in Wilderness
- 06-017 Helicopter Rescue Operations
- 06-018 Snowmobile Rescue Techniques
- 06-019 Search and Rescue at Sea
- 06-020 Extended Rescues in the Wilderness
- 06-021 Roles of Medical Care Providers in Wilderness Medicine
- 06-022 Accident Prevention for the Wilderness Traveler
- 06-023 Decision Making and Safety in Wilderness Backcountry Travel

07-Sports Medicine and Physiology

- 07-003 Physiology of Heat Exchange
- 07-005 Injuries from Water-related Sports
- 07-006 Injuries from Climbing
- 07-007 Injuries from Skiing and Snow Boarding
- 07-008 Injuries from Mountain-Biking
- 07-009 Cognitive Impairment in High-Risk Wilderness Settings
- 07-011 Training for Wilderness Adventures
- 07-012 Medical and Safety Aspects of Backcountry Skiing and Snowboarding
- 07-013 Injuries from Surfing and Windsurfing
- 07-014 Ocean Paddling Related Injuries



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07-Sports Medicine and Physiology – continued

- 07-015 Nutrition and Hydration for Athletes in Extreme Environments
- 07-016 Epidemiology of Ultra-Endurance Events
- 07-017 Exercise-Associated Hyponatremia
- 07-018 Overview of Sports Medicine

08-Preventive Medicine, Field Sanitation & Hygiene

- 08-003 Field Latrines
- 08-004 Food Inspection and Preparation

09-General Environmental Medicine

- 09-008 Overview of Envenomation
- 09-015 Miscellaneous Insect Bites and Stings
- 09-016 Envenomation by Arachnids
- 09-017 Killer Bees
- 09-018 Fire Ants
- 09-021 Envenomation by Snakes
- 09-024 Special Heat Problems in Urban Settings
- 09-026 Jungle Medicine
- 09-028 Overview of Avalanche
- 09-030 Health Maintenance at Sea
- 09-032 Hypothermia and Cold Water Immersion
- 09-033 Overview of Heat and Solar Injuries
- 09-034 Cold Injuries in Children
- 09-035 Antivenoms and Hospital Management of Envenomations
- 09-036 Cold Physiology
- 09-037 Suffocation in Powder Snow
- 09-038 Overview of Medicine at Sea
- 09-039 Seasickness

10-Improvised and Alternative Medicine

- 10-003 Overview of Primitive Medicine
- 10-004 Alternative Medical Strategies and the Wilderness Traveler
- 10-005 Medicinal Plants
- 10-006 Clinical Hypnosis in the Wilderness

11-Disaster and Humanitarian Assistance

- 11-002 Refugee Planning and Management
- 11-004 Chemical Warfare Agents
- 11-005 Management of Radiologic Incidents and Casualties
- 11-006 National and International Relief Organizations
- 11-007 National Disaster Management System
- 11-008 Camp Construction for Large Groups
- 11-009 Psycho-social Responses to Disaster
- 11-010 Travel Medicine for Volunteer Physicians in Developing Countries
- 11-011 Fundamentals of Outbreak Investigation
- 11-012 Natural Disaster Volunteering



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11-Disaster and Humanitarian Assistance - continued

- 11-014 Mass Casualty Situations
- 11-015 Wilderness Emergencies and Group Decisions
- 11-018 Tactical Medical Support of Law Enforcement
- 11-019 Lessons Learned in Recent Disaster Response
- 11-020 Skills Needed in Disaster Scenarios
- 11-021 Personal Safety and Team Security
- 11-023 Media Coverage of Humanitarian Emergencies
- 11-024 Ethics of Disaster
- 11-025 Cultural Awareness for Volunteers
- 11-026 Critical Care in Austere Environments
- 11-027 NGO Coordination and Logistics
- 11-028 Mass Casualty Triage
- 11-029 Patient Assessment and Improvised Medical Care
- 11-030 Overview of Tactical Medical Support to Military Special Operations
- 11-031 Climate Change Effects on Health

12-Wilderness Emergencies and Trauma Management

- 12-006 Death and Dying
- 12-013 Wilderness Trauma and Creativity
- 12-018 Simulation of Wilderness Emergencies
- 12-020 Wilderness First Aid
- 12-023 Management of Cardiac and Pulmonary Emergencies
- 12-028 Management of Overuse Injuries
- 12-030 Poison Control Centers
- 12-031 Field Management of Envenomations
- 12-034 Stress and Panic Reactions
- 12-035 Medical Emergencies at Sea
- 12-036 Hunting Injuries
- 12-037 Management of Ear, Nose and Throat Injuries and Conditions
- 12-038 Care of the Injured in the Wilderness for Extended Periods
- 12-039 Wilderness Medicine Case Scenarios
- 12-040 CPR in the Wilderness Environment
- 12-041 Field Management of Dislocations
- 12-042 Management of Diabetes
- 12-043 Neurologic Conditions
- 12-044 Management of the Acute Abdomen
- 12-045 Traction Splinting
- 12-046 Management of Shock
- 12-047 Intravenous Access in Austere Environments
- 12-048 Medicine in Austere Settings
- 12-049 Hemorrhage Control Techniques
- 12-050 Trauma and Hypothermia
- 12-053 Adapting to Isolation and Darkness



Fellowship in the Academy of Wilderness Medicine

13 - Wilderness Medicine Faculty Development

- 13-001 Excellence in Teaching
- 13-002 Fundamentals of Adult Learning Theory
- 13-003 Preparing Presentations
- 13-004 Public Speaking
- 13-005 Curriculum Development
- 13-006 Feedback and Evaluation
- 13-007 Information Mastery in Medicine
- 13-008 Planning for Courses, Conferences and Seminars
- 13-009 Teaching One on One and in Small Groups
- 13-010 Teaching Procedures
- 13-011 The Educator's Portfolio
- 13-012 Ambulatory and Bedside Teaching
- 13-013 Faculty Mentoring and Leadership
- 13-014 Managing Successful Meetings
- 13-015 Testing and Evaluation- Outcomes Assessment

14- Wilderness Medicine Research

- 14-001 Overview of Research
- 14-002 Formulating the Research Question
- 14-003 Study Design
- 14-004 Handling Data
- 14-005 Epidemiology
- 14-006 Statistical Applications
- 14-007 Ethics in Research
- 14-008 Funding, Grants and Resources
- 14-009 Formulating the Research Proposal
- 14-010 Writing for Publication
- 14-011 Presenting Research (Presentations and Posters)
- 14-012 Human and Animal Use Studies

15 - Tactical Combat Casualty Care

- 15-001 Overview of Tactical Combat Casualty Care
- 15-002 CUF Guidelines, Moving Casualties, Drags, Carries
- 15-003 Practical Drags and Carries
- 15-004 Hemorrhage Control

16 - Desert Medicine

- 16-001 Overview of Desert Medicine
- 16-002 Desert Arthropods
- 16-004 Heat Illness Case Presentations
- 16-005 Desert Geocaching
- 16-006 Management of Heat Stroke
- 16-010 Desert Dermatology
- 16-012 Desert Search and Rescue
- 16-013 Desert Tracking
- 16-014 Desert Travel Medicine



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16 - Desert Medicine - continued

- 16-015 Desert Canyoneering
- 16-018 Desert Wildlife and Rabies
- 16-019 Hyperthermia Epidemiology
- 16-020 Epidemiology of Desert Dwellers
- 16-021 Applied Physiology of Acute and Chronic Heat Exposure
- 16-022 BORSTAR Activities in the Desert
- 16-023 Hydration Guidelines
- 16-024 Techniques for Effective Heat Acclimatization