

MISSION TRAILS REGIONAL OCCUPATIONAL PROGRAM

- I. COURSE TITLE: Emergency Medical Technician
- II. CBEDS TITLE: Other Health Services
- III. CBEDS NUMBER: 4248
- IV. JOB TITLES:
 - Orderly
 - EMT
 - EMT/Paramedic*
 - Emergency Room Tech.
 - Fireman/EMT*
 - Life Guard

(*Requires extra training)

- V. COURSE DESCRIPTION: This course is designed to prepare students to take and pass the State of California EMT Certification Test. Students will learn all phases of basic life support and emergency medical services. Curriculum includes theory, practical skills, testing, and clinical experience. Training is provided in medical terminology, anatomy and physiology and the prehospital emergency care and transportation of pediatric, adult and geriatric patients.

- VI. HOURS:
 - Classroom 240 hours
 - Community Classroom 180 hours

- VII. PREREQUISITE:
 - Suggested Prerequisites:
 - 18 Years of age within 90 days of course completion
 - Introduction to Health Careers or equivalent course
 - First Aid or First Responder course
 - CPR Course and/or Permission of Instructor

IX. VIII. COURSE OUTLINE:

- a. CONTENT AREA SKILLS:
 - i. EXPECTED STUDENT OUTCOMES
 - ii. HOURS OF INSTRUCTION

COURSE OUTLINE

CONTENT AREA SKILLS	EXPECTED STUDENT OUTCOME	HOURS		
		CL	CC	CP
Instruction will include:	Students will be able to:			
I. Introduction/ Orientation	1. Understand the course format 2. Discuss expected student conduct 3. Recognize methods of evaluation 4. Discuss medical responsibilities 5. Review legal responsibilities of EMT 6. Discuss stress in emergency medical services	16	10	

II. Occupational Knowledge and Skills	<ol style="list-style-type: none"> 1. Review advanced directives 2. Understand anatomy and physiology 3. Learn terminology, abbreviations and definitions 	16	10	
III. Infection Control	<ol style="list-style-type: none"> 1. Discuss Pharmacology for the street 2. Knowledge of scene survey and primary survey 	16	10	
IV. Lifting and Moving Patient	<ol style="list-style-type: none"> 1. Discuss focused history and physical examination of the trauma patient <ul style="list-style-type: none"> ❖ Scene survey ❖ Primary Survey 	19	10	
V. PQRST/SAMPLE, Baseline Vitals, Neuro Exam	<ol style="list-style-type: none"> 1. Discuss baseline vitals, neuro examination 2. Knowledge of a detailed physical examination 	16	10	
VI. Traumatic Emergencies	<ol style="list-style-type: none"> 1. Discuss Shock: A state of hypoperfusion 2. Learn how to care for cuts and bleeding 3. Recognize bony injuries 4. Knowledge of caring for burns 5. Discuss procedures for head and spine injuries 6. Review spinal immobilization 7. Learn about traction splints 8. Understand splinting and bandaging 	16	10	
VII. Airway Management	<ol style="list-style-type: none"> 1. Discuss various oxygen deliveries 2. Review artificial ventilation 3. Knowledge of suction devices 4. Learn about pulse oximetry 	10	10	
VIII. Medical Emergencies	<ol style="list-style-type: none"> 1. Discuss myocardial infraction 2. Recognize respiratory distress 3. Review diabetic emergencies 4. Recognize allergic emergencies 5. Recognize a stroke 6. Discuss altered level of consciousness 7. Recognize neurological emergencies 8. Review non-traumatic abdominal pain 	12	10	
IX. ED and Ambulance Scheduling	<ol style="list-style-type: none"> 1. Knowledge of ALS/BLS interface 2. Discuss ALS assist skills 3. Learn CPR 4. Knowledge of automated external defibrillators 	9	10	
X. Geriatric Care	<ol style="list-style-type: none"> 1. Discuss the characteristics of the geriatric patient 2. Review common medical problems 3. Recognize elder/dependent abuse 4. Learn special handling techniques 	12	10	
XI. Maternal Health Problems	<ol style="list-style-type: none"> 1. Discuss female changes during pregnancy 2. Recognize the stages of labor and delivery 3. Review normal child birth 4. Discuss the complication of child birth 5. Learn about newborn resuscitation 	12	10	

XII. Childhood Emergencies	<ol style="list-style-type: none"> 1. Discuss how to assess the pediatric patient 2. Recognize child abuse 	8	10	
XIII. EMS Operations	<ol style="list-style-type: none"> 1. Discuss ICS/Medical branch 2. Review transportation 3. Discuss types of incidents Learn about START triage 	12	10	
XIV. Communication and Operations	<ol style="list-style-type: none"> 1. Learn how to use the radio 2. Discuss how to write a report 3. Learn how to keep good records 4. Learn emergency vehicle operations 	8	10	
XV. Behavioral Emergencies	<ol style="list-style-type: none"> 1. Review patient response to illness/injury 2. Discuss legal aspects 3. Discuss ETOH/ substance abuse 4. Recognize attempted suicide 5. Recognize rape and assault 6. Review disruptive behavior 7. Recognize emotional problems 	8	10	
XVI. Environmental Emergencies	<ol style="list-style-type: none"> 1. Recognize electrical emergency 2. Discuss heat/cold emergency 3. Recognizing poisoning 4. Recognize bites, stings and envenomations 5. Review allergic reactions and anaphylactic shock 6. Discuss water related injuries 7. Review hazardous materials 8. Discuss altitude sickness 	12	10	
XVII. Rescue Operations	<ol style="list-style-type: none"> 1. Discuss principles of extrication 2. Review automobile extrication 3. Learn extrication techniques 4. Learn disentanglement techniques 	12	10	
XVIII. Patient Care During Transportation	<ol style="list-style-type: none"> 1. Discuss certification procedures 2. Review employment in EMS 3. Review job search 4. Discuss career management 5. Discuss time management 6. Review decision making 7. Learn how to make quality improvements 	16	10	

IX. COURSE OUTLINE:

- a) CAREER PERFORMANCE STANDARDS
 - i) EXPECTED STUDENT OUTCOMES
 - ii) HOURS OF INSTRUCTION

CAREER PERFORMANCE STANDARDS	EXPECTED STUDENT OUTCOMES	HOURS
Instruction will include:	Student will be able to:	
<p>1. Personal Skills</p> <ul style="list-style-type: none"> ▪ Classroom policies & procedures ▪ Ethics <ul style="list-style-type: none"> ➢ Work ➢ Business ▪ Sexual harassment laws ▪ Personal skills, including positive attitude, self-confidence, honesty, perseverance & self-discipline ▪ Professional appearance ▪ Time management ▪ Lifelong learning 	<p>1. Understand how personal skill development, including positive attitude, honesty, self-confidence, time management, & other positive traits affect employability.</p> <ul style="list-style-type: none"> ▪ Demonstrate and understand classroom policies & procedures ▪ Define work and business ethics & demonstrate the importance of ethical standards & social responsibilities in the business environment. ▪ Discuss the laws applicable to sexual harassment & discuss tactics for handling harassment situations. ▪ Demonstrate personal skills in class and/or business environment: <ul style="list-style-type: none"> ➢ Positive attitude ➢ Self-confidence ➢ Honesty ➢ Perseverance ➢ Self-discipline ▪ Demonstrate and model personal hygiene and acceptable professional attire ▪ Prioritize tasks and meet deadlines ▪ Explain the importance of lifelong learning 	<p>Integrated in content area skills</p>
<p>2. Interpersonal Skills</p> <ul style="list-style-type: none"> ▪ Group dynamics ▪ Conflict resolution and negotiations ▪ Team Work ▪ Etiquette across gender and cultural groups 	<p>2. Understand principles of effective interpersonal skills, including group dynamics, conflict resolution, and negotiation.</p> <ul style="list-style-type: none"> ▪ Identify and explain the key concepts of group dynamics ▪ Discuss and demonstrate the dynamics of conflict resolution and negotiation, and their importance within the business environment ▪ Demonstrate effective teamwork, share responsibilities, accept supervision and assume leadership roles ▪ Demonstrate cooperative working relationships and proper etiquette across gender and cultural groups 	<p>Integrated in content area skills</p>
<p>3. Thinking and Problem-Solving Skills</p> <ul style="list-style-type: none"> ▪ Critical and creative thinking skills ▪ Logical reasoning and problem-solving skills ▪ Numerical estimation, measurement, and 	<p>3. Understand the importance of critical thinking and problem-solving skill in the workplace.</p> <ul style="list-style-type: none"> ▪ Apply critical and creative thinking skills in a work environment and 	<p>Integrated in content area skills</p>

<p>calculation</p> <ul style="list-style-type: none"> ▪ Identify, locate, and organize needed information and propose, evaluate, and select alternative solutions 	<p>implement a plan of improvement as needed</p> <ul style="list-style-type: none"> ▪ Demonstrate logical reasoning and problem solving skills in a work environment ▪ Apply numerical estimation, measurement and calculation skills to business applications including the following: <ul style="list-style-type: none"> ➢ Whole number math ➢ Decimals & fractions ➢ Counting & monetary functions ➢ Use of tables & graphs ▪ Recognize problem situations; identify, locate and organize needed information, and propose, evaluate and select from alternate solutions 	
<p>4. Communication Skills</p> <ul style="list-style-type: none"> ▪ Written communication ▪ Verbal and Nonverbal communication ▪ Active and effective listening ▪ Proper etiquette in business communications ▪ Writing and editing skills ▪ Use of reference material and handbooks ▪ Oral presentations 	<p>4. Understand principles of effective communication.</p> <ul style="list-style-type: none"> ▪ Read and implement written instructions, technical manuals, written communication, and reference books ▪ Present a positive image of verbal and nonverbal communication through use of appropriate methods ▪ Demonstrate active and effective listening skills through verbal, nonverbal and written feedback ▪ Demonstrate proper etiquette in business communications, including an awareness of and a requisite for international communications (languages, customs, and time zones) ▪ Demonstrate the following writing and editing skills: <ul style="list-style-type: none"> ➢ Use correct grammar, punctuation, capitalization, vocabulary and spelling ➢ Write, proofread and edit ➢ Select and use appropriate forms of communication ▪ Exhibit a proficiency in the use of reference materials such as dictionary, thesaurus, telephone directory, almanac, zip code directory, and office handbooks 	<p>Integrated in content areas skills</p>
<p>5. Occupational Safety</p> <ul style="list-style-type: none"> ▪ Good safety practice 	<p>5. Understand occupational safety issues, including avoidance of physical hazards</p> <ul style="list-style-type: none"> ▪ Model and implement good safety practices including: <ul style="list-style-type: none"> ➢ Avoidance and reporting of physical 	<p>Integrated in content area skills</p>

	<p>hazards in the work environment</p> <ul style="list-style-type: none"> ➤ Safe operation of equipment ➤ Proper handling of hazardous materials 	
<p>6. Employment Literacy</p> <ul style="list-style-type: none"> ▪ Expand awareness of career opportunities ▪ Set employment goals and objectives ▪ Aptitudes, personal characteristics and interests ▪ Develop portfolio ▪ Develop interviewing techniques 	<p>6. Understand career paths and strategies for obtaining employment</p> <ul style="list-style-type: none"> ▪ Explore career opportunities and develop a career plan ▪ Identify steps for setting goals and writing personal goals and objectives ▪ Examine aptitudes related to career options; relate personal characteristics and interest to educational and occupational opportunities ▪ Develop a portfolio to include the following: <ul style="list-style-type: none"> ➤ Letter of Introduction ➤ Cover letter ➤ Resume ➤ Thank you letter ➤ Job application ➤ Licenses, Certificates and Awards ➤ Transcripts ➤ Letters on Recommendation ➤ Work Samples 	<p>Integrated in content area skills</p>
<p>7. Technology Literacy</p> <ul style="list-style-type: none"> ▪ Apply Industry specific technology ▪ Use Industry specific software ▪ Demonstrate Keyboarding ▪ Accessing information ▪ Lifelong enhancement of technology skills 	<p>7. Understand and adapt to changing technology.</p> <ul style="list-style-type: none"> ▪ Identify and demonstrate use of appropriate technology ▪ Identify and use industry specific software ▪ Demonstrate proficiency in alphanumeric keyboarding ▪ Input and retrieve information ▪ Understand the importance of lifelong learning in adapting to changing technology 	<p>Integrated in content area skills</p>

X ADDITIONAL RECOMMENDED/OPTIONAL ITEMS:

- a. ARTICULATION:
- b. VOCATIONAL CREDIT: Variable 10 high school credits per 180 hour semester qualifies graduation requirements.
- c. ACADEMIC CREDITS: None
- d. INSTRUCTIONAL STRATEGIES: Instructional methodologies include individualized, self-paced computer exercises with reading,

writing and project assignments and all project materials, lectures and audio/visual presentations, guest speakers, field trips, equipment, process demonstrations and one-on-one student-instructor interaction.

e. INSTRUCTIONAL MATERIALS:

1. Facilities
2. Support Services
3. Procedural Resources

XI. IDENTIFICATION DATA:

Board Approval Date: April 17, 2006

Prepared By: John Young

Date: February 2004

New Course: _____ Revision: X