

Paramedic Technician**First Semester****EMS 911 EMS Fundamentals**

Lesson	Times	Subjects
1	0800-1155	Orientation.
2	1300-1655	EMS Systems: Roles and Responsibilities, and Professionalism. Ethics.
3	0800-1155	Injury Prevention and Public Health.
4	1300-1655	Well-Being of the Paramedic.
5	0800-1155	Medical Terminology.
6	1300-1655	Medical and Legal Issues. Documentation.
7	0800-1155	Communications.
8	1300-1655	Research. Final exam.

EMS 912 Paramedic Medical Principles

Lesson	Times	Subjects
1	0800-1155	Cell structure. Pathophysiology part 1.
2	1300-1655	Pathophysiology part 2.
3	0800-1155	Pathophysiology part 3. Water Movement Between Plasma and Interstitial Fluid.
4	1300-1655	Fluids and Electrolytes. Cellular Injury.
5	0800-1155	Hypoperfusion.
6	1300-1655	Immunology.
7	0800-1155	Acid base balance.
8	1300-1655	Human Systems. Terminology, Body cavities. Integumentary and Skeletal Systems.
9	0800-1155	Digestive System.
10	1300-1655	Muscular System. Nervous System. Endocrine system.
11	0800-1155	Cardiovascular and Lymphatic Systems.
12	1300-1655	Respiratory System.
13	0800-1155	Urinary system.
14	1300-1655	Reproductive System. Special Senses.
15	0800-1155	Final exam
16	1300-1655	NREMT Portfolio

EMS 913 Advanced Patient Assessment

Lesson	Times	Subjects
1	0800-1155	Scene size-up
2	1300-1655	Communications Part 1
3	0800-1155	Communications Part 2, History Taking
4	1300-1655	Primary Assessment
5	0800-1155	Physical Exam Techniques, Physical Exam Part 1
6	1300-1655	Physical Exam Part 2
7	0800-1155	Physical Exam Part 3
8	1300-1655	Lab
9	0800-1155	Pediatric assessment
10	1300-1655	Lab
11	0800-1155	Clinical Decision Making
12	1300-1655	Life Span Development
13	0800-1155	Lab
14	1300-1655	Lab
15	0800-1155	Lab
16	1300-1655	Final exam

EMS 914 Advanced Prehospital Pharmacology

Lesson	Times	Subjects
1	0800-1155	Principles of pharmacology. Pharmacodynamics
2	1300-1655	Mechanisms/Actions. Respiratory drugs
3	0800-1155	Drugs that affect the endocrine and GI system. Eyes and ears
4	1300-1655	Nervous system drugs. Drugs that affect blood
5	0800-1155	Cardiovascular, reproductive and Immune system drugs.
6	1300-1655	Medication administration part 1
7	0800-1155	Medication administration part 2.
8	1300-1655	Lab
9	0800-1155	Vascular access Lab
10	1300-1655	Lab
11	0800-1155	Dosage calculation. IO infusion
12	1300-1655	Lab
13	0800-1155	Lab
14	1300-1655	Lab
15	0800-1155	Lab
16	1300-1655	Lab. Final exam

EMS 915 Respiratory Management

Lesson	Times	Subjects
1	0800-1155	Respiratory AP. Gas exchange.
2	1300-1655	Control of breathing. Ventilation part 1
3	0800-1155	CPAP/biPAP. Basic adjuncts. Ventilation part 2
4	1300-1655	Suction. NG tubes. Lab
5	0800-1155	LMA, King, Combitube. End tidal CO2
6	1300-1655	Lab
7	0800-1155	Endotracheal tubes. Lab
8	1300-1655	Nasal intubation. Lab
9	0800-1155	Pediatric ET. Lab
10	1300-1655	RSI. Cricothyrotomy. Lab
11	0800-1155	Lab
12	1300-1655	Final Lab

EMS 916 Cardiology

Lesson	Times	Subjects
1	0800-1155	A&P. Electrophysiology part 1
2	1300-1655	Electrophysiology part 2. Intro to ECG. Limb leads
3	0800-1155	Rhythm analysis
4	1300-1655	SA node and Atrial rhythms
5	0800-1155	AV node and first degree block
6	1300-1655	Second degree blocks. Asystole
7	0800-1155	Third degree. Pacers. PEA
8	1300-1655	Ventricular rhythms. AICD. WPW
9	0800-1155	SVT. Cardioversion/defib. Sudden death.
10	1300-1655	Defib. Pacing. Pacing. Lab
11	0800-1155	Lab
12	1300-1655	Cardiac assessment. Lab
13	0800-1155	AMI. HTN. Aneurysms. Heart failure, shock. LVAD. Tamponade. Arterial occlusion.
14	1300-1655	Lab
15	0800-1155	Intro to 12 lead
16	1300-1655	12 leads

17	0800-1155	Lab
18	1300-1655	Lab
19	0800-1155	Final. Lab
20	1300-1655	Orientation to clinical

EMS 917 Paramedic Clinical/Field 1

Times and locations vary

Paramedic Technician

Second Semester

EMS 918 Advanced Emergency Resuscitation

1	0800-1155	American Heart Assoc. Advanced Cardiac Life Support
2	1300-1655	American Heart Assoc. Advanced Cardiac Life Support
3	0800-1155	American Heart Assoc. Advanced Cardiac Life Support
4	1300-1655	American Heart Assoc. Advanced Cardiac Life Support
5	0800-1155	American Heart Assoc. Pediatric Advanced Life Support
6	1300-1655	American Heart Assoc. Pediatric Advanced Life Support
7	0800-1155	American Heart Assoc. Pediatric Advanced Life Support
8	1300-1655	American Heart Assoc. Pediatric Advanced Life Support

EMS 919 Paramedic Medical Principles

Lesson	Times	Subjects
1	0800-1155	Diseases of the Eyes, Ears, Nose, and Throat.
2	1300-1655	Respiratory pathophysiology and assessment
3	0800-1155	Neurology Part 1. Coma/Stroke. Seizures
4	1300-1655	Neurology Part 2.
5	0800-1155	Endocrinology. Blood glucose testing.
6	1300-1655	Allergic Reactions. Immune System disorders
7	0800-1155	Infectious and Com- municable Diseases. Pathophysiology, HIV, Hepatitis.
8	1300-1655	TB, Meningitis, STDs, Pneumonia, Tetanus through Other Viral Diseases, Reporting an Exposure.
9	0800-1155	Assessment of Abdominal and GI disorders
10	1300-1655	Renal Failure and Dialysis. Genitourinary Disorders.
11	0800-1155	GYN. Hematology.
12	1300-1655	Behavioral and Psychiatric disorders
13	0800-1155	Toxicology. Ingested & Inhaled Poisons, Poisoning by Injection
14	1300-1655	Toxicology. Poisoning by Absorption, Drug Abuse, Management Principles.
15	0800-1155	Non-traumatic Musculoskeletal disorders. Childhood Diseases
16	1300-1655	Final exam

EMS 920 Paramedic Trauma

Lesson	Times	Subjects
1	0800-1155	Trauma Overview and MOI.
2	1300-1655	Trauma Patient Assessment. Burns
3	0800-1155	Bleeding and Soft Tissue Trauma
4	1300-1655	Extremity Hemorrhage Management. CAT
5	0800-1155	Head, Face, and Neck Trauma
6	1300-1655	Spine and Nervous System Trauma
7	0800-1155	Chest Trauma
8	1300-1655	Abdominal Trauma
9	0800-1155	Orthopedic Trauma

10	1300-1655	Shock (hemorrhagic, neurogenic)
11	0800-1155	Environmental Conditions. Hyperbaric Medicine.
12	1300-1655	Lab
13	0800-1155	Lab
14	1300-1655	Lab
15	0800-1155	Lab
16	1300-1655	Final exam

EMS 921 Special Patient Populations

Lesson	Times	Subjects
1	0800-1155	Obstetrics.
2	1300-1655	Obstetrics Part 2. Lab
3	0800-1155	Neonatal Care
4	1300-1655	Assessment lab
5	0800-1155	Pediatrics
6	1300-1655	Pediatrics Part 2. lab
7	0800-1155	Geriatrics
8	1300-1655	Patient assessment lab
9	0800-1155	Abuse and Neglect
10	1300-1655	Patient assessment lab
11	0800-1155	Patients with Special Challenges
12	1300-1655	Patient assessment lab
13	0800-1155	Acute Interventions for Home Care
14	1300-1655	Patient assessment lab
15	0800-1155	Patient assessment scenarios
16	1300-1655	Patient assessment scenarios. Final exam

EMS 922 EMS Operations

On-Line

EMS 923 Paramedic Capstone Assessment

1	0800-1155	Technical Skills assessment
2	1300-1655	Technical Skills assessment
3	0800-1155	Technical Skills assessment
4	1300-1655	Technical Skills assessment
5	0800-1155	Technical Skills assessment
6	1300-1655	Technical Skills assessment
7	0800-1155	Technical Skills assessment
8	1300-1655	Technical Skills assessment

EMS 924 Paramedic Clinical/Field 2

Times and locations vary