Lesson	Section 1	Welcome
1		MATC/EMS Orientation & Policies
		Syllabus Review
Instructors Needed 2	4 Hours	Course Paperwork
		Hospital required course
		Training permits
2	Section 1	Preparatory
	4 Hours	Complete Course Paperwork
Instructors Needed 2		Human Anatomy
		Infectious Diseases, Blood Bourne Pathogens
		Patient Assessment
		NEW: Public Health: QA, interfaces with EMS, Public Health
READ: AAOS: Ch 2: 24-59; Ch 5: 118-178; Ch 36: 1252-1288		
3	Section 1	Preparatory
ONLINE	4 hours	EMS Systems, Medical Legal and Ethical & EMS Systems Communications
Instructors Needed 1		NEW: Ethical principles & moral obligations, Team communication and dynamics & Therapeutic communication
		Documentation & Report Writing
		: 64-81; Ch 4: 84-114
ASSIGNMENT: Online Navigate Ch. 1: EMS Systems Workforce Safety and Wellness: Pretest, Interactive Lecture Online Navigate Ch. 3: Medical, Legal, and Ethical Issues: Pretest, Interactive Lecture Online Navigate Ch. 4: Communications and Documentation: Pretest & Interactive Lecture QUIZ Online Navigate: Medical, Legal, Ethical and EMS Systems Communications Quiz Due by Lesson #4		
4	Section 1	Preparatory
	4 hours	Medical Terminology
Instructors Needed 2		Review MATC Field Run Report
		Patient Assessment Lab & Monitoring Devices. NEW: ETCO2, 12 Lead EKG,
-		Patient Assessment Practical Exam
		Handouts: Common Prefixes/Suffixes, Narrative Questions & Template
READ: A	AOS Ch. 9:	306-366

5	Section 1	Pharmacology
Instructors Needed 1		Shock & Resuscitation
		NEW: Basic Cell Physiology Fluids & Electrolytes, Acid Base Balance
READ: A	AOS Ch. 1:	163-165; Ch. 3: 349-350; Ch. 8: 255-261; Ch 6: 198-206;
6	Section 1	Pharmacology
ONLINE		Principles of Pharmacology NEW: Legislation, chemical, generic, official, trade names, authoritative sources, classifications, storage/security, utilization terms, pharmacokinetics & pharmacodynamics
Instructors Needed 1		Medication Administration
READ: A	AOS Ch. 7:	218-303 Ch. 8: 252-302
Online N	avigate Vas ine Navigat	nciples of Pharmacology: Pretest,, Interactive Lecture cular Access and Medication Administration Pretest, Interactive Lecture e: Medication Administration & Pharmacology Quiz
7	Section 1	Pharmacology
Instructors Needed 3	4 Hours	Medication Administration NEW: IO, IV & IN
		Demonstrations & Practice
8	Section 1	Pharmacology
Instructors Needed 3	4 Hours	Practical LAB: Medication Administration, IO, IV, SubQ, IM, Bolus
	On attack 4	Discourse and a second
9	Section 1	Pharmacology
Instructors Needed 3	4 Hours	LAB: Medication Administration, IO, IV, SubQ, IM, Bolus

10	Section 2	Airway
	1.5	SECTION 1 &2 EXAM: Preparatory & Pharmacology
	Hours	
Instructors Needed		Respiratory System; A&P and Pathophysiology of Respiration and Assessment
1		NEW ANATOMY: Hypopharnx, Arytenoid caritlage, Jugular notch, cilia, phrenic nerve, laryngeal
		edema and spasm.
		NEW PHYSIOLOGY OF RESPIRATION: Pulmonary ventilation, interruption of pulmonary
		ventilationsO2 transport, circulation & cellular, ECO2
	15 Min	Exam Review
READ: A	AOS Ch. 5:	137-160; Ch. 10: 374-395
11	Section 2	Airway
Instructors Needed 2	4 Hours	Respiratory Emergencies
		Lab: Techniques of Airway Management: Adjuncts, CPAP, BiPap, Positive Pressure Ventilation,
		King, Combitube, ETCO2
READ: C	h. 10: 395-4	146; Ch. 14: 532-571
12	Section 2	Airway
Instructors Needed 2	4 Hours	Lab: Techniques of Airway Management: Adjuncts, CPAP, BiPap, Positive Pressure Ventilation, King, Combitube, ETCO2
		Airway Practical Evaluation
ASSIGNN	ENT: Due	by lesson #13

13	Section 3	Medical Emergencies: Cardiac	
Instructors Needed		Cardiovascular Anatomy	
1		NEW ANATOMY: Hepatic portal, Aortic branches, Major Veins & Arteries, Chordae Tendineae,	
		Papillary muscles, major arteries, veins, electrical system	
		Cardiovascular Pathophysiology & Assessment	
		NEW: Hemodynamics, Hydrostatic & Oncotic pressure, Regulation of heart function	
		(Chronotropic, Dromotropic, Inotropic), Baroreceptors, Chemorecetors, Alpha/Beta effects,	
		Starlings Law, Conduction system, Rhythm ID, EKG, 12L	
READ: A	READ: AAOS Ch. 5: 136-161; Ch. 15: 572-579		
14	Section 3	Medical Emergencies	
Instructors Needed		Cardiovascular Emergencies	
2			
		Cardiovascular Lab: Assessment, 12L, Rhythms	
READ: A	READ: AAOS Ch. 15: 579-611		
15	Section 3	Medical Emergencies	
Instructors Needed 3	4 Hours	Cardiovascular Practical Evaluation	

16	Section 4	Medical Emergencies	
Instructors Needed 1	1.5 hours	SECTION 2 &3 EXAM: AIRWAY & CARDIOVASCULAR	
		Neurological A&P, Disorders, Assessment and Age Related Variations	
		A&P, Non-Traumatic Musculoskeletal Disorders	
		Diseases of Eyes, Ears, Nose & Throat	
		A&P, Endocrine Disorders and Hematologic Emergencies, Assessment and Age Related Variations	
		NEW: HematologyBlood cells and functions, Assessment, Sickle Cell, Pediatric & Geriatric Conditions & Emergencies	
	15 min	Review	
READ: A	READ: AAOS Ch. 16: 612-637; Ch. 18: 662-691		
17	Section 4	Medical Emergencies	
ONLINE		A&P, Assessment, Gastrointestinal and Urologic Emergencies NEW: Calculi, Renal Failure, Dialysis, Hemorrhages, Peritonitis, Peds.	
Instructors Needed 1		Immunology A&P, Disorders, Assessment NEW: Mast cells, histoamine, leukotrienes and other mediators	
		Psychological Emergencies NEW: Agitated Delirium	
READ AA	OS Ch. 17:	638-661; Ch. 19: 692-713; Ch. 21: 742-761	
	i vigate Gast	trointestinal and Urologic Emergencies Interactive Lecture	
		unologic Emergencies Interactive Lecture	
	trointestinal, esson #18	Urologic and Immunologic Emergencies	
18	Section 4	Medical Emergencies	
Instructors Needed 2	4 Hours	LAB: Endocrine, Neurological, Gastrointestinal and Urologic Disorders	
		Endocrine, Neurological, Gastrointestinal & Urologic Evaluation Practical	

19	Section 5	Trauma
	1.5 Hours	SECTION 4 EXAM Medical Emergencies
		Trauma Overview: Field Triage Protocols, Types of Injuries, MOI
Instructors Needed 2		Special considerations
		Trauma Patient Assessment and Practical Lab
	30 Min	Exam Review
READ AA	OS Ch. 23 7	80-807
20	Section 5	Trauma
	4 Hours	Bleeding & Shock NEW: Shock: cellular level, Fick principle, Aerobic metabolism/glycolosis, Anaroic metabolism, Peds and Adults, Fluid resuscitation special considerations,
Instructors Needed 2		Chest Injuries, Assessment, Management NEW: Commotio Cordis
		Trauma Lab
READ AA	OS Ch. 11:	450-477; Ch. 24 808-833; Ch. 29 974-997
21	Section 5	Trauma
Instructors Needed 2		Environmental
		Abdominal and Genitourinary Injuries, Assessment & Management
		Tissue Injuries and Management
		Ortho NEW: Compartment Syndrome, Rhabdomyolysis
		Trauma Lab
READ: A	AOS Ch. 25:	834-869; Ch. 28: 946-973;
22	Section 5	Trauma
Instructors Needed 2	4 hours	Head, neck spine
		Trauma Lab
READ: A	AOS Ch. 31:	1054-1091
23	Section 5	Trauma
Instructors Needed 2	4 Hours	Trauma LAB: Chest, Abdominal, Ortho, Head, Neck, Spine and SoftTissue Injuries
		Evaluations Lab

24	Section 5	Special Populations
Instructors	1.5 Hours	SECTION 5 EXAM Trauma
Needed 1	1.5 Hours	SECTION 5 EXAM Trauma
		OB & Gynecologic Emergencies
		Neonate Assessment and Resuscitation
		NEW: Life Span Development
	15 Min	Exam Review
READ: A	AOS Ch. 32:	1092-1133; Ch. 22: 762-779
25	Section 5	Special Populations
Instructors Needed 1	4 Hours	Pediatrics
		Geriatrics
		Patient's with Special Challenges
READ: A	AOS Ch. 33:	1134-1193, Ch. 34 1194-1231; Ch. 35 1232-1249
Online Na Online Qu Due by Le	vigate: Ger	liatric Emergencies Interactive Lecture iatric Emergencies Interactive Lecture c and Geriatric Emergencies Quiz
26	Section 5	Special Populations
Instructors Needed 2	4 Hours	Special Populations Evaluations Lab
27	Section 5	EMS Operations
Instructors Needed 2	4 Hours	Ambulance operations
		Air-Medical
		Extrication
		MCI-NIMS Online 100 and 700 Certificate Due
		Practical skills lab
READ: A	_	1294-1323; Ch. 38: 1324-1341
28	Section 5	SECTION 6 EXAM: Special Populations
Instructors Needed 3	4 Hours	NREMT LAB PRACTICE
		Exam Review
29	4 Hours	FINAL EXAM
Instructors Needed 3		NREMT LAB PRACTICE
		No Review on Final Exam
30	4 Hours	FINAL PRACTICAL
Instructors Needed 5		Patient Assessment, ventilation management, peds respiratory compromise, IO, IV, medication push, trauma assessment and cardiac arrest.