

**Associates in Emergency Care  
Spring 2017 Basic to Paramedic  
AEC TC - Manassas**

Day/Date/Time	Content for reading, instruction and discussion	Candidate Deliverables
Sunday 11/12/2017 1pm-4pm	Pre-Orientation Class Technology Set-up Ipads, Digital Library, Email, Apps, Matrix LMS	***Mandatory Attendance***
Sunday 11/19/2017 9a-5p	Introduction/Orientation	***Mandatory Attendance***
Tuesday 11/21/2017 9a-5p	Paramedic Preparatory Topics Part 1 Intro to Paramedicine, EMS Systems, Roles/Responsibilities Workforce Safety, EMS Research, Public Health, Med/Legal, Ethics, EMS Communication, Documentation  Paramedic Preparatory Topics Part 2 <i>Homework 1 Due</i> <b>Quiz 1: Preparatory Topics (Group Quiz)</b> Review for Exam 1/Exam 1 Evals ****Topics not covered will be delivered via video library****	Paramedic Care Vol. 1: Chapters 1-10  <b>*** Enrollment Documentation Due***</b> Paramedic Care Vol 1: Chapters 1-10 (cont) <i>Preparatory Homework Due</i>
Tuesday 11/28/2017 9a-5p	<b><u>EXAM 1: Preparatory Topics Exam</u></b>  LAB: NR Random BLS Skills and NR patient assessment skills review  Intro/Overview of A&P and Pathophysiology	<b>***Due Today:***</b> <b><u>Clinical Orientation Paperwork</u></b>  Paramedic Care Vol. 1: Chapter 12
Tuesday 12/5/2017 9a-5p	<b>Quiz 2: A&amp;P and Pathophysiology</b> Introduction to Pharmacology Intro to Pharmacology Manual Research Paper overview  Introduction to Med Math  "IV ADMIN Show and Tell"	Paramedic Care Vol. 1: Chapters 12 AEC Intro to Pharmacology Powerpoint Pharmacology Manual  AEC Med Math Handouts  AEC Tutorial
Tuesday 12/12/2017 9a-5p	Introduction to Med Math...cont'd IV Access <b>LAB: (10-5)</b> <b>IV START DAY</b>	<b>**** MANDATORY ATTENDANCE ****</b> Notice 8am start!
Saturday 12/16/2017 9a-5p	<b>Quiz 3: Pharmacology</b> Medication Administration  Med Math  LAB: IV, IM SQ IV Bolus, IV Drip/piggyback IO, PO, SL, Neb, Rectal administration	AEC Med Math Handouts Paramedic Care Vol. 1: Chapter 14  AEC Med Math Handouts
Tuesday 12/19/2017 9a-5p	<i>Homework 2 due</i> <b>Quiz 4: Med Math and IV/Med Admin</b> In-Class Review for Exam 2  Additional Lab Skills from the Portfolio	<i>Med Math and Rx Admin. Homework due</i>
Tuesday 1/2/2018 9a-5p	<b><u>EXAM 2</u></b> Clinical Orientation  Patient Assessment 1	Students begin Emergency Room clinical rotations after passing Exam 2 Paramedic Care Vol. 2 CH 1-4
Saturday	Patient Assessment Part 2	Paramedic Care Vol. 2, CH 4-7

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<b>1/6/2018</b> <b>9a-5p</b>	Air and Ground Ambulance Rural and Rescue Operations	Paramedic Care Vol. 5, CH 9, 10, 12, 15
<b>Tuesday</b> <b>1/9/2018</b> <b>9a-5p</b>	<b>Quiz 5: Patient Assessment</b> Crime Scene Awareness Terrorism LAB: Patient Assessment-Primary and Secondary	Paramedic Care Vol. 5: Chapters 14, 16
	MCI Mini-lab: MCI (2 instructors)	Paramedic Care Vol. 5: Chapters 11
<b>Day/Date/Time</b>	<b>Content for reading, instruction and discussion</b>	<b>Candidate Deliverables</b>
<b>Saturday</b> <b>1/13/2018</b> <b>9a-5p</b>	Hazmat  Homework 3 Due - <b>GROUP QUIZ #6</b> Exam Evals Exam Review Peer Affective Domain Evaluations	Paramedic Care Vol. 5: Chapter 13
<b>Tuesday</b> <b>1/16/2018</b> <b>9a-5p</b>	<b><u>EXAM 3: Patient Assessment. Operations</u></b>  Respiratory A&P Respiratory Pharmacology	AEC Lectures
<b>Saturday</b> <b>1/20/2018</b> <b>9a-5p</b>	Pulmonology  <b>QUIZ 7: Respiratory A&amp;P</b> Airway Management and Ventilation	Paramedic Care Vol. 3, CH. 1  Paramedic Care Vol. 1: CH 15
<b>Tuesday</b> <b>1/23/2018</b> <b>9a-5p</b>	<b>LAB: Respiratory Double Lab Day</b> BLS Airway Management ET Intubation Supraglottic Airway IOOH Scenarios	
<b>Tuesday</b> <b>1/30/2018</b> <b>9a-5p</b>	<b>Lab: Group 1</b> Quiz/Homework/Exam Review <b>Lab: Group 2</b> ET/Intubation/Chest Decompression/IO, Ventilations SWITCH AFTER LUNCH	<b>***CADAVER LAB DAY***</b>  Homework 4 Due
<b>Tuesday</b> <b>2/6/2018</b> <b>9a-5p</b>	<b><u>Exam 4: Respiratory system/Airway Management</u></b> Exam Evals  Cardiac A&P	<b>OR Clinicals may begin after successful completion of Exam 4</b>  AEC Powerpoint
<b>Tuesday</b> <b>2/13/2018</b> <b>9a-5p</b>	Cardiac A&P Review Cardiology Session 1 Electrophysiology  <b>Review (Complete ECG)</b>	Paramedic Care Vol. 3, CH. 2 AEC Powerpoint
<b>Saturday</b> <b>2/17/2018</b> <b>9a-5p</b>	<b>Review (Complete ECG) Again</b> <b>Quiz 9: Cardiac A&amp;P, Intro to ECG Quiz</b> How to read an ECG  Sinus Atrial  ***Review learned rhythms***	AEC Powerpoint  AEC Powerpoint AHA ACLS Provider Manual

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<b>Tuesday</b> <b>2/20/2018</b> <b>9a-5p</b>	<b>Quiz 10: ECG Sinus/Atrial Rhythms</b> SVT and Narrow Complex Tachycardias Junctional Rhythms LAB: Rhythm Identification/Static and Dynamic  Bradycardia AV Blocks LAB: Rhythm Identification/Static and Dynamic	AEC Powerpoints AHA ACLS Provider Manual  AEC Powerpoints AHA ACLS Provider Manual
<b>Tuesday</b> <b>2/27/2018</b> <b>9a-5p</b>	<b>Quiz 11: Junctional, Brady, SVT, AV Blocks</b> WPW, PEA, Asystole ALL Ventricular Rhythms REVIEW: All learned rhythms	AEC Powerpoints AHA ACLS Provider Manual
<b>Saturday</b> <b>3/3/2018</b> <b>9a-5p</b>	<b>Quiz 12: Ventricular, PEA, Asystole</b> Lab: Static/Dynamic Cardiology Stations Cardiology Oral Boards Cardiac Assessments  Cardiology Session 2	Paramedic Care Vol 3, CH 2
<b>Day/Date/Time</b>	<b>Content for reading, instruction and discussion</b>	<b>Candidate Deliverables</b>
<b>Tuesday</b> <b>3/6/2018</b> <b>9a-5p</b>	12-Lead ECG  <i>Homework 5 Due/12 lead Practice</i> <b>Quiz #13</b> Lab: Static/Dynamic Cardiology Stations IOOH Scenarios Oral Boards 12 Leads	12 Lead ECG for Acute Critical Care Providers ***Static 12 Lead Materials***
<b>Saturday</b> <b>3/10/2018</b> <b>9a-5p</b>	<b><u>EXAM 5: Cardiology</u></b> ACLS DVD AEC ACLS ppt ACLS Labs	<b>***Mandatory Attendance***</b> AHA ACLS Provider Manual
<b>Tuesday</b> <b>3/13/2018</b> <b>9a-5p</b>	ACLS Labs Adult resp. Arrest/Ventilation Management Tachy, Brady, Pulseless Arrest AHA ACLS Online Pretest Review ACLS Written Exam ACLS Practice Exam w/Megacodes	<b>***Mandatory Attendance***</b> AHA ACLS Provider Manual
<b>Tuesday</b> <b>3/20/2018</b> <b>9a-5p</b>	Neurology Endocrinology Pharmacology Overview for section	Paramedic Care Vol. 3, CH 3 Paramedic Care Vol. 3, CH 4
<b>Saturday</b> <b>3/24/2018</b> <b>9a-5p</b>	Lab: Neuro/Endocrine Emergencies and Oral Boards IOOH Scenarios-All learned materials Static/Dynamic Cardiology	
<b>Tuesday</b> <b>3/27/2018</b> <b>9a-5p</b>	<b>Quiz 14: Nervous and Endocrine Systems</b> Gastroenterology <i>Homework 6 Due</i> Urology/Nephrology A&P In-class review for Neuro/Endo Exam	Paramedic Care Vol 3, CH 6 Neuro/Endo HW Due

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	Exam Evlas	
<b>Tuesday 4/3/2018 9a-5p</b>	<b>EXAM 6: Neuro/Endocrine/GI/GU/Urology/Nephrology</b> Immunology Hematology Pharmacology Overview for section	Paramedic Care Vol 3, CH 5 Paramedic Care Vol 3, CH 9
<b>Tuesday 4/10/2018 9a-5p</b>	Infectious Disease/Sepsis Psychiatric and Behavioral Disorders	Paramedic Care Vol 3, CH 10 Paramedic Care Vol 3, CH 11
<b>Saturday 4/14/2018 9a-5p</b>	<i>Homework 7 Due</i> <b>Quiz 15: Behavioral Emergencies, Sepsis, Infectious Disease</b> Toxicology and Substance Abuse Review for Exam  Exam Evals Peer Affective Domain Evals	Paramedic Care Vol 3, CH 8
<b>Tuesday 4/17/2018 9a-5p</b>	<b>EXAM 7: Immunology, Hematology, Sepsis, and Infect Disease</b>  NR Labs: IOOH Scenarios Cardiac Stations - Dynamic/Static	
<b>Tuesday 4/24/2018 9a-5p</b>	Gynecology Obstetrics Neonates	<b>*50% of in-hospital clinicals should be complete*</b> Paramedic Care Vol 5, CH. 1,2,3
<b>Saturday 4/28/2018 9a-5p</b>	<b>Quiz 16: Reproductive, OB/GYN, Neonates</b> Lab: BLS/ALS Neonatal Resuscitation Neonate and infant ET  Pediatrics	Paramedic Care Vol 5, CH 4
<b>Tuesday 5/1/2018 9a-5p</b>	Lab: Deliveries (Normal, Abnormal) OB Emergencies, Neonatal Resuscitation Pediatric Scenarios (Oral Boards) IOOH Scenarios	
<b>Day/Date/Time</b>	<b>Content for reading, instruction and discussion</b>	<b>Candidate Deliverables</b>
<b>Tuesday 5/8/2018 9a-5p</b>	<i>Homework 8 Due</i> <b>Quiz 17: Pediatrics</b> In-Class Review for Exam 8 Exam 8 Evals	
<b>Saturday 5/12/2018 9a-5p</b>	<b>EXAM 8: Reproductive, OB/GYN, Peds, Neonates</b> PALS Day 1 DVD and PALS Approach PALS Day 1, part 2 LABS: Infant/child AED, Resp. Management, Vascular access Peds Electrical thereapy	<b>***Mandatory Attendance***</b> <i>Students may begin L&amp;D and Peds Clinicals</i> AHA PALS Provider Manual
<b>Tuesday 5/15/2018 9a-5p</b>	PALS Day 2, part 2 Cardiac, resp, shock scenarios <b>PALS Written Exam</b> PALS Practive Exam (Megacodes) LAB: NR Pediatric Scenarios	<b>***Mandatory Attendance***</b> AHA PALS Provider Manual

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<b>Saturday</b> <b>5/19/2018</b> <b>9a-5p</b>	Trauma Systems Mechanisms of Injury Hemorrhage and Shock Soft Tissue Trauma	Paramedic Care Vol 4, CH 1,2 Paramedic Care Vol 4, CH 3 Paramedic Care Vol 4, CH 4
<b>Tuesday</b> <b>5/22/2018</b> <b>9a-5p</b>	<b>Quiz 18: Intro to Trauma</b> Burns Head, Neck, and Spinal Trauma	Paramedic Care Vol. 4, CH 5 Paramedic Care Vol. 4, CH 6
<b>Tuesday</b> <b>5/29/2018</b> <b>9a-5p</b>	LAB: NR Trauma Assessments IOOH Scenarios Various Trauma Skills Oral Boards	
<b>Tuesday</b> <b>6/5/2018</b> <b>9a-5p</b>	Chest Trauma Abdominal and Pelvic Trauma Orthopedic Trauma LAB: Bandage/Splinting Skills	Paramedic Care Vol 4, CH 7 Paramedic Care Vol 4, CH 8 Paramedic Care Vol 4, CH9
<b>Saturday</b> <b>6/9/2018</b> <b>9a-5p</b>	Non-Traumatic Musculoskeletal System Environmental Trauma LAB: NR Trauma Assessments IOOH Scenarios	Paramedic Care Vol 3, CH 13 Paramedic Care Vol 4, CH 10
<b>Tuesday</b> <b>6/12/2018</b> <b>9a-5p</b>	<i>Homework 9 Due</i> <b>Quiz 19: Trauma</b> LAB: Trauma Assessments IOOH Scenarios  In-class review for Exam 10 Exam Evals	
<b>Saturday</b> <b>6/16/2018</b> <b>9a-5p</b>	<b><u>EXAM 9: TRAUMA</u></b> LAB: Oral Boards IOOH Scenarios	<b>80% of Clinicals complete</b>

<b>Day/Date/Time</b>	<b>Content for reading, instruction and discussion</b>	<b>Candidate Deliverables</b>
<b>Tuesday</b> <b>6/19/2018</b> <b>9a-5p</b>	Geriatrics Emergencies Abuse, Neglect, Assault Emergencies for the Challenged Patient	Paramedic Care Vol 5, CH 5 Paramedic Care Vol 5, CH 6 Paramedic Care Vol 5, CH 7
<b>Tuesday</b> <b>6/26/2018</b> <b>9a-5p</b>	Acute Interventions for the Chronic Care Patient <i>Homework 10 Due</i> <b>Quiz 20: Special Patient Populations</b> In-class review for Special Patient Populations  <b>RESEARCH PRESENTATIONS</b>	<b>RESEARCH PAPERS DUE</b> <b>***Mandatory Attendance***</b>
<b>Saturday</b> <b>6/30/2018</b> <b>9a-5p</b>	<b><u>EXAM 10: Special Patient Populations</u></b>  <b>RESEARCH PRESENTATIONS</b>	<b>RESEARCH PAPERS DUE</b> <b>***Mandatory Attendance***</b>
<b>Tuesday</b> <b>7/3/2018</b> <b>9a-5p</b>	<b>FINISH RESEARCH PRESENTATIONS</b>  Lab:	<b>***Mandatory Attendance***</b>

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	National Registry Skills Day Dynamic, Static, Oral Boards, Trauma, IOOH Scenarios	
<b>Saturday 7/7/2018 9a-5p</b>	LAB: National Registry Skills Day  Final Exam Review	<b>***Mandatory Attendance***</b>
<b>Tuesday 7/10/2018 9a-5p</b>	<b><u>FINAL COGNITIVE EXAM</u></b>	<b>***Mandatory Attendance***</b>
<b>Saturday 7/14/2018 9a-5p</b>	<b><u>NR PSYCHOMOTOR FINAL EXAM</u></b>	<b>***Mandatory Attendance***</b>
<b>Tuesday 7/17/2018 9a-5p</b>	<b><u>NR PSYCHOMOTOR FINAL EXAM</u></b>  <b>July 18-August 3 - Capstone Field Internship</b>	<b>***Mandatory Attendance***</b>
<b>Tuesday 7/31/2018 9a-5p</b>	<b>LAST CHANCE TO PRACTICE</b>	<b>100% of Clinicals complete Including Capstone Field Internship</b>
<b>Saturday 8/4/2018 0700- complete</b>	<b>National Registry Psychomotor Exam Test Day</b>	<b>LOCATION</b> AEC Training Center