

**Northwest Community Healthcare Paramedic Program  
Academic Calendar F17 - S18 Rev. 10/2/17 CJM**

**Assumed knowledge: Medical Terminology**

<b>Week # 1 Preparatory</b>					
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Pre-class prep</b>	<b>Class Activity</b>	<b>Faculty</b>
9/11/17 Mon	0900-1100	<b>Start EMS 210 - Welcome!</b> Orientation; explanation of squads; student expectations	Student policies Release of academic Information Student learning contract Consent for invasive procedures Consent for photographs	Icebreaker activity Election of squad officers; Sign & submit agreements	C. Mattera/ M. Gentile
	1100-1200	<b>EMS Systems Standards of practice:</b> SOPs, Policy manual Procedure manual Drug & Supply List	<b>SOP:</b> Introduction (p. 1) <b>Policies:</b> A-2: Use of Aeromedical Transport Vehicles; A-3: ALS vs. BLS Care/Scope of Practice; B-1: Hosp Resource Limitation/ Bypass;	<b>SOPs &amp; Policies found on System website:</b> <a href="http://www.nwcemss.org">www.nwcemss.org</a> under Standards of Practice tab	C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>EMS Systems cont.</b>	<b>Policies cont.:</b> Req for State Licensure as an EMT-P; C2 CE C3 Crisis response plan; D7 EMDs; M-9:Med Engines/Alt Response Vehicles; R1: Relicensure; S-2: Specialized EMS Vehicles; S3: ALS/BLS Staffing; T-2: Pt Transport/Selection of a Rec. Hosp.		C. Mattera
9/12/17 Tues	0900-1200	<b>Workforce safety and wellness:</b> Illness & injury prevention; blood borne pathogens; preventing spread of disease; PPE; <b>public health</b> emerg, health promotion; stress	<b>Policies:</b> I-2 Infection Control – DICOs I-4: Impaired practice S-1: Stress Intervention / CISM	<b>Skills &amp; Application:</b> Role play appropriate use of PPE and significant exposure follow-up	M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>Brilliant on the basics:</b> <i>Ready to sprint or stuck in the gate?</i>		White board lightning rounds of EMT concepts	Chris Dunn
9/13/17 Wed	0900-1030	<b>Ethics in EMS</b>	<b>Policy:</b> E-5: Code of Ethics	<b>Skills &amp; Application:</b> Values card exercise Ethical scenarios  Case studies illustrating ethical and professional challenges	M. Gentile
	1030-1200	<b>Paramedic Roles &amp; responsibilities:</b> Attributes of professionalism; quality mgt; EMS research			Cf. Drew Smith
	1200-1300	Lunch			
	1300-1700	<b>Medical Legal</b> Consent/refusal of care; confidentiality; tort and criminal actions; statutory responsibilities; mandatory reporting; health care regulation; pt rights/advocacy	<b>Policies:</b> A-1 Abandonment D-1 Due Process G-1,G-2,G-3: Grievance Policies M-8 Med Device Failure/Malfunct R-6 Refusal of Care R-7 Reportable Incidents	<b>Skills &amp; Application:</b> Role play legal scenarios Complete a refusal form	C. Mattera
9/14/17 Thurs.	0900-1200	<b>EMS System communications:</b> equipment; communication with other health care professionals; team communication & dynamics	<b>Policies:</b> C-8 Communications Policy O-1 Override <b>SOP:</b> Radio Report	Role playing calling OLMC for a BLS patient	M. Gentile
	1200-1300	Lunch			

Week # 1 Preparatory					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
	1300-1700	<b>Hospital clinical (EMS 217) &amp; Fisdap orientation</b> <b>BRING an electronic device with internet connectivity to class</b> <b>Must have established a Fisdap account per J. Dyer's instructions</b>			J. Dyer
9/15/17 Fri	0900-1030	<b>Intro to medical math</b>	General competency with general math functions assumed based on course prereq for Harper		M. Gentile
	1030-1230	<b>Therapeutic Communication:</b> Factors affecting communication; interviewing techniques; difficult pts; adjusting for age, stage of development, pts with special needs, and differing cultures		<b>Skills &amp; Application:</b> Role play various patient scenarios with challenges to effective communication	M. Gentile
	1230-1330	Lunch			
	1330-1700	<b>Hospital clinical sign up (EMS 217)</b> <b>BRING an electronic device with internet connectivity to class</b> <b>Be ready to sign up for fall hospital clinical shifts</b>			J. Dyer

WEEK #2						
Date	Time	Topic	Pre-class prep	Class Activity	Faculty	
9/18/17 Mon	0900-1015	<b>Quiz I</b>			M. Gentile	
	1015-1200	<b>Pharmacology:</b> Medication safety; legislation; naming; classifications; schedules; pharmacokinetics; storage & security; metabolism & excretion; mechanism of action; phases of activity; response; relationships; interactions; toxicity	<b>Policies:</b> C-6: Controlled Substances; Logs D-2: Drug Replacement D-3: Exchanging drugs R-7 Reportable Incidents <b>SOP:</b> Drug appendix	<b>Skills &amp; Application:</b> Pharmacology exercise Controlled Substance Logs	C. Mattera	
	1200-1300	Lunch				
	1300-1400	<b>General pharm. cont.</b>			C. Mattera	
	1400-1700	<b>Autonomic nervous System</b>			C. Mattera	
9/19/17 Tues	0900-1200	<b>Medication administration</b>	<b>Bring an orange or grapefruit and shorts and short-sleeve shirt to class</b>	<b>Skills &amp; Application:</b> Selective routes of medication administration	M. Gentile	
	1200-1300	Lunch – change into shorts and short sleeve top				
	1300-1700	<b>LAB</b>	Medication administration: Enteral: PO, SL, Buccal, IR Parenteral: topical (eye drops); inhaled (nebulizer – HHN, in-line to BVM; MDI, ET; Intranasal (IN); Sub-q; IM <b>(on each other)</b>		Lab Team	
9/20/17 Wed	0900-1200	<b>Vascular access: peripheral IVs</b>		<b>Skills &amp; Application:</b> IV access	D. Hansen	
	1200-1300	Lunch				
	1300-1700	<b>LAB</b>	<b>Bring shorts and short-sleeve shirt to class</b> Peripheral IV access on manikins Peripheral IV access: Ext. jugular on manikin Medication administration: IVP; IVPB; assembling preloads Obtaining venous samples		Lab Team	
9/21/17 Thurs	0900-1200	<b>Vascular access: Intraosseous infusions</b>		<b>Skills &amp; Application:</b> IO access	D. Hansen	
	1200-1300	Lunch				
	1300-1700	<b>LAB</b>	<b>Bring shorts and short-sleeve shirt to class</b> Peripheral IV access (each other, after 1 successful mannequin) Intraosseous vascular access Parenteral dose calculation & medication administration		Lab Team	
9/22/17 Fri	0900- 1200	<b>Documentation; Introduction to Image Trend software</b>	<b>Policies:</b> C-7 Confidentiality of Pt Records D-4:Data Collection <b>SOP:</b> Approved medical abbreviations <b>Bring laptop or portable electronic device with internet connectivity</b>	<b>Skills &amp; Application:</b> Writing patient care reports (PCRs) that meet FACT criteria in Image <i>Trend software</i>	Joe Albert	
	1200-1300	Lunch				
	1300-1700	<b>Documentation cont.</b>		Expectations of simulated PCRs during class	Joe	

WEEK #3					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
9/25/17 Mon	0900-1015	<b>Quiz 2</b>			M. Gentile
	1015-1200	<b>Respiratory A&amp;P</b>		<u>Skills &amp; Application</u> Pulse oximetry	C. Mattera
	1200-1300	Lunch			
	1300-1700	Respiratory A&P cont.			C. Mattera
9/26/17 Tues	0900-1030	<b>Airway Management</b> Positioning, BLS adjuncts; suctioning	SOP: Airway obstruction	<u>Skills &amp; Application</u> Manual maneuvers; NPA/OPA Suction oral/tracheal	M. Gentile
	1030-1200	Endotracheal intubation		OTI, use of bougie	Dr. Jordan
	1200-1300	Lunch			
	1300-1700	<b>ETI cont.</b>		King Vision	Dr. Jordan
9/27/17 Wed	0900-1200	<b>Other routes of intubation</b>	SOP: DAI	<u>Skills &amp; Application</u> Drugs: lidocaine, atropine, benzocaine, midazolam, diazepam, ketamine, etomidate DAI; In-line; Inverse; Digital; & NT intubation	C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Competency measured:</b> Positioning/manual man.; NPA/OPA; Suction (oral/tracheal) Obstructed airway maneuvers; BLS & ALS <b>Lab practice stations:</b> Intubation: ETI only Peripheral IV Access (each other)		Lab Team
9/28/17 Thurs  PEMSC	0900-1200	<b>Extraglottic airways</b> King; LMA; Combitube		<u>Skills &amp; Application</u> King airway	M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Intubation: All forms King Airway		Lab Team
9/29/17 Fri	0900-1200	<b>Cricothyrotomy: Needle and surgical</b>		<u>Skills &amp; Application:</u> All O <sub>2</sub> delivery devices	C. Mattera
	Lunch	Lunch			
	1300-1700	<b>LAB:</b>	DAI; King airway Needle & Surgical Cric;(sheep trachs) Meds: IM; Sub-q	Lab Team	Lab team

WEEK #4					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
10/2/17 Mon	0900-1030	<b>Quiz 3</b>			M. Gentile
	1030-1200	<b>Ventilating pts; O<sub>2</sub> delivery devices/CPAP</b>	<b>One page paper due: Why and when can O<sub>2</sub> delivery be harmful?</b>		M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB:</b>	DAI; King airway Needle & Surgical Cric Application of O <sub>2</sub> devices; CPAP; in-line nebs		Lab team
10/3/16 Tue	0900-1230	<b>Capnography</b>	SOP: Capnography	<b>Skills &amp; Application:</b> Use of Pulse ox & ETCO <sub>2</sub>	D. Neubecker
	1230-1330	Lunch			
	1330-1700	<b>LAB</b>	Capnography assessment; pulse oximetry assessment Airway access in context of scenarios O <sub>2</sub> devices in context of scenarios		Lab team
10/4/17 Wed	0900-1200	<b>Fluid &amp; Electrolytes</b>			V. Logan
	1200-1300	Lunch			
	1300-1700	<b>Acid base imbalances</b>			M. Gentile
10/5/17 Thurs	0900-1200	<b>Patient assessment</b> Tools of assessment Maneuvers of assessment Sequencing of assessment	<b>SOPs:</b> General patient assessment Initial Medical Care	<b>Skills &amp; Application:</b> General Assessment Drugs: ondansetron, fentanyl; Vital signs; Lung & heart sounds	C. Mattera
	1200-1300	Lunch			
	1300-1700	Patient assessment cont.	<b>Policies:</b> P-2: Physician/Nurse On Scene P-3: Crime Scene Response		C. Mattera
10/6/17 Fri	0900-1200	<b>Patient assessment cont.</b>			C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Advanced airways: ETI; DAI, nasotracheal O <sub>2</sub> devices Vascular access (each other) Med administration: IM/Sub-q; IN, IVP; IVPB Assessment		Lab Team

<b>WEEK #5 (2 clinical shifts this week)</b>					
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Pre-class prep</b>	<b>Class Activity</b>	<b>Faculty</b>
10/9/17 Mon	0900-1030	<b>Quiz 4</b>			M. Gentile
	1030-1200	<b>EMS 210 Wrap up</b>		Lighting round white board review	M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>Airway obstacle course: all forms of BLS &amp; ALS airway adjuncts and O2 delivery devices</b>		Complex airway scenarios	Lab team
10/10/17 Tues	0700-1000	<b>Orientation to OR</b>	Instructions from J. Dyer	On-site visits to hospitals with OR rotations	J. Dyer
	1000-1200	<b>Final Fisdap instructions; remaining clinical scheduling EMS 217 &amp; 218</b>			J. Dyer
	1200-1300	Lunch			
	1300-1700	<b>LAB testing</b>	<b>Competency measured:</b> Nasotracheal intubation: Adult O <sub>2</sub> delivery: CPAP Med admin: IM; Sub-q; IN (MAD device) Intravenous vascular access		M. Gentile & Lab Team
10/11/17 Wed	0900-1500	<b>PRACTICAL EXAM Mod 1 (EMS 210) Assigned in shifts</b>	<b>Competency measured:</b> Intubation: DAI King airway Needle and surgical cric Med admin: IVP/IVPB IO infusions		M. Gentile & Lab Team
10/12/17 Thurs	0900-1200	<b>WRITTEN EXAM Mod 1 (End of EMS 210) (Auditorium)</b> Will cover content from Weeks 1-4			M. Gentile
	1200-1330	Lunch and Exam review (LC 3 & 4)			
10/13 or 14 Fri	<b>Beginning of EMS 217 Hospital Clinical (#1): Options: ED (Adult) or OR (not on Sat)</b>				

<b>WEEK #6: Begin EMS 211– Medical Emergencies Part 1 ( 2 clinical shift this week)</b>					
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Pre-class prep</b>	<b>Class Activity</b>	<b>Faculty</b>
10/16/17 Mon	0900-1200	<b>Respiratory disorders: Acute</b>			M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>Respiratory disorders: Chronic: COPD/asthma</b>	SOP: COPD/Asthma	<b>Skills &amp; Application:</b> Drugs: albuterol, ipratropium, epinephrine 1 mg/1mL, magnesium MDI, Nebulizer therapy: mouth piece/mask/in-line w/ BVM & C-PAP	C. Mattera
10/17/17 Tue	0900-1200	<b>Respiratory SOP review – focus on drugs and therapies</b>			M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Acute & chronic respiratory patient assessments Assessing vital signs: including temp Assessing breath sounds Inhaled medication administration: HHN mouth piece, mask, in-line with CPAP		Lab team
10/18/17 Wed	<b>Hospital Clinical (#2): ED (Adult – may also schedule on Sun or Sat) or OR</b>				
10/19/17 Thurs	0900-1200	<b>Cardiovascular A&amp;P</b>			C. Mattera
	1200-1300	Lunch			
	1300-1700	Cardiovascular A&P cont			C. Mattera
10/20/17 Fri	0900-1200	General principles of shock; Pathophysiology and hypoperfusion – all forms	<b>Assumed knowledge:</b> Genetics & Familial dx: 226-228 Disease risks: 228-232		C. Mattera
	1200-1300	Lunch			
	1300-1700	Shock cont.			C. Mattera

WEEK #7: (1 Clinical shift this week)						
Date	Time	Topic	Pre-class prep	Class Activity	Faculty	
10/23/17 Mon	0900-1030	<b>Quiz 5</b>	PCR due: Simulated severe asthma		M. Gentile	
	1030-1200	<b>Acute Coronary Syndromes (ACS); cardiac assessment</b>	SOP: ACS	<u>Skills &amp; Application:</u> Drugs: ASA, NTG, fentanyl; norepi/dopamine	M. Gentile	
	1200-1300	Lunch				
	1300-1700	ACS & CVD cont.			C. Mattera	
10/24/17 Tues	0900-1200	HF/pulmonary edema; Cardiogenic shock; HTN; Vascular diseases; AAA; LVADs	<u>SOP:</u> HF/Pulmonary Edema Hypertension Differential for SOB		C. Mattera	
	1200-1300	Lunch				
	1300-1700	CVD and complications cont.			C. Mattera	
10/25/17 Wed	<b>Hospital Clinical #3: ED (Adult – may also schedule on Sun or Sat) or OR</b>					
10/26/17 Thurs	0900-1200	Intro to electrophysiology and ECG interpretation		<u>Skills &amp; Application:</u> Lead placement Measuring rate & intervals	C. Mattera	
	1200-1300	Lunch				
	1300-1500	ECG interpretation cont.			C. Mattera	
	1500-1700	<b>Operation of monitors/defibrillators</b>			Monitor reps	
10/27/17 Fri	0900-1200	<b>LAB</b>	<b>Respiratory assessments acute and chronic</b>		M. Gentile Lab team	
	1200-1300	Lunch				
	1300-1700	<b>LAB</b>	<b>Cardiac patient assessments;</b> Rx. LV failure w/ pulmonary edema; cardiogenic shock; right sided HF w/ CHF; peripheral vascular diseases LVADs (bring in clin coord from LVAD program) Putting ECG leads on each other; obtaining own ECG; identifying waveforms		Lab team	



WEEK #8: (1 clinical shift this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
10/30/17 Mon	0900-1030	<b>Quiz 6</b>	<b>PCR due:</b> Simulated pulmonary edema		M. Gentile
	1030-1200	<b>Rhythms/Dysrhythmias originating in the SA node</b>	SOP: Bradycardia with a pulse	<b>Skills &amp; Application</b> Atropine, norepi/dopamine; pacing, glucagon	C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Resp &amp; cardiac assessments</b> ECG recognition sinus dysrhythmias		Lab team
10/31/17 Tue	0900-1200	<b>Dysrhythmias originating in the atria</b>	SOP: Narrow QRS Complex Tachycardia	<b>Skills &amp; Application</b> Vagal maneuvers Adenosine, verapamil Synchronized cardioversion	M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Resp &amp; cardiac assessments; ECG recognition</b> atrial dysrhythmias; vagal maneuvers; pacing; cardioversion/defibrillation		Lab team
11/1/17 Wed	<b>Hospital Clinical #4: ED (Adult – may also schedule on Sun or Sat); or OR, ICU</b>				
11/2/17 Thurs	0900-1200	<b>Rhythms/Dysrhythmias originating in the AV Node</b>	SOP: Bradycardia with a pulse		C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Resp &amp; cardiac assessments; ECG recognition</b> junctional rhythms; pacing; cardioversion/defibrillation		Lab team
11/3/17 Fri	0900-1200	<b>AV Heart blocks</b>			M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Resp &amp; cardiac assessments; ECG recognition</b> AV blocks; pacing; cardioversion/defibrillation		Lab team

WEEK #9: 2 Clinical shifts this week						
Date	Time	Topic	Pre-class prep	Class Activity	Faculty	
11/6/17 Mon	0900-1030	<b>Quiz 7</b>			M. Gentile	
	1030-1200	<b>Rhythms/Dysrhythmias originating in the ventricles:</b>	SOPs: Wide complex tachycardia w/ a pulse, VF/pulseless VT; Asystole/PEA	<b>Skills &amp; Application:</b> Defibrillation Vasopressin/Epi 1mg/10mL, amiodarone	C. Mattera	
	1200-1300	<b>Lunch</b>				
	1300-1700	<b>Lab</b>	Pacing Defibrillation cardioversion Respiratory assessment & mgt Dynamic cardiac assess/mgt		Lab team	
11/7/17 Tues	0900-1200	<b>Team cardiac arrest resuscitation</b>	Policy: T-1: Triple Zero SOP: CPR/Resuscitation		C. Mattera	
	1200-1300	<b>Lunch</b>				
	1300-1700	<b>LAB</b>	Pit crew approach to resuscitation: Team roles; CPR; BLS airways and changing compressors defibrillation/cardioversion		Lab team	
11/8/17 Wed	<b>Hospital Clinical #5: ED (Adult – may also schedule on Sun or Sat); or OR, ICU</b>					
11/9/17 Thurs	0900-1200	<b>Cardiac case studies; Dynamic cardiology practice</b>			M. Gentile	
	1200-1300	<b>Lunch</b>				
	1300-1700	<b>LAB</b>	Pit crew approach to resuscitation: Team roles; CPR; changing compressors; defibrillation/cardioversion; meds; BLS to ALS airways; post ROSC care		Lab team	
11/10/17 Fri	0900-1200	<b>Cardiac case studies; Dynamic cardiology practice</b>			M. Gentile	
	1200-1300	<b>Lunch</b>				
	1300-1700	<b>LAB</b>	Pit crew approach to resuscitation: Team roles; CPR; changing compressors; defibrillation/cardioversion; meds; BLS to ALS airways; post ROSC care		Lab team	

WEEK #10: 2 Clinical shifts this week EMS 211 grades due 11/16/16					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
11/13/17 Mon	0900-1030	<b>Quiz 8</b>			M. Gentile
	1030-1200	Prep for Mod II exam			M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Pacing Defibrillation cardioversion Respiratory assessment & mgt Dynamic cardiac assess/mgt		Lab team
11/14/17 Tues	0900-1300	<b>Practical Exam Mod II (EMS211)</b>	Pacing Defibrillation cardioversion Respiratory assessment & mgt Dynamic cardiac assess/mgt		M. Gentile Lab Team
11/15/17 Wed	0900-1200	<b>Written EXAM Mod II (EMS 211) / ECG strip exam (Auditorium)</b>			M. Gentile
	1200-1330	Lunch and exam review (LC 3 & 4)			
11/16/17	<b>Hospital Clinical #6: ED (Adult – may also schedule on Sun or Sat); or OR, ICU</b>				
11/17/17	<b>Hospital Clinical #7: ED (Adult – may also schedule on Sun or Sat); or OR, ICU</b>				

WEEK #11: 1 Clinical shift this week						
Date	Time	Topic	Pre-class prep	Class Activity	Faculty	
11/20/17 Mon	0900-1200	<b>All of class: 12 L ECG</b> (whole day)	<b>SOP: 12 L ECG</b> <b>PCR due: Simulated pt w/ AMI w/atrial or junctional dysrhythmia</b>		D. Neubecker	
	1200-1330	Lunch				
	1300-1700	<b>12 L ECG cont.</b>				
11/21/17 Tues	0900-1300	<b>1/3 class: 12 L ECG LAB</b> - Rest of class: <b>Clinical units</b>			M Gentile	
	1200-1300	Lunch				
	1300-1700	<b>1/3 class: 12 L ECG LAB</b> - Rest of class: <b>Clinical units</b>			M. Gentile	
11/22/17 Wed	0900-1300	<b>1/3 class: 12 L ECG LAB</b> - Rest of class: <b>Clinical units</b>			M Gentile	
11/23/17	<b>Thanksgiving - OFF</b>					
11/24/17 Fri	<b>Hospital Clinical #8: ED (Adult – may also schedule on Sun or Sat); or OR, ICU</b>					



<b>WEEK #12: 2 Clinical prep for OB, Peds, Psych units</b>						
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Pre-class prep</b>	<b>Class Activity</b>	<b>Faculty</b>	
11/27/17 Mon	0900-1200	<b>Gynecological Emerg. Childbirth</b>	SOPs: Entire OB section	<b>Skills &amp; Application:</b> Uncomplicated and complicated delivery	C. Mattera	
	1200-1330	Lunch				
	1300-1700	<b>OB Complications Neonatology</b>	SOPs: Newborn care Newborn resuscitation Policy: A-5: Abandoned Newbn	<b>Skills &amp; Application:</b> Newborn resuscitation		
11/28/17 Tues	0900-1300	<b>Pediatric Lifespan development; IMC &amp; medical emergencies</b>	SOPs: Entire Peds section Policy: Refusals - Minors	<b>Skills &amp; Application:</b> Peds airways access Peds vascular access Peds fluid/drug calc Peds cardiac arrest mgt	C. Mattera	
	1200-1300	Lunch				
	1300-1700	<b>Pediatric medical emergencies cont.</b>				C. Mattera
11/29/17 Wed	0900-1300	<b>Peds Trauma</b>	SOP: Peds Trauma section		C. Mattera	
	1200-1300	Lunch				
	1300-1700	<b>LAB</b>	12 L ECG acquisition Peds assessment OB assessment Normal delivery & newborn care Abnormal delivery & newborn care		M. Gentile; lab team	
11/30/17 Thurs	0900-1200	Behavioral emergencies	SOP: Psychological emergencies; Post-taser Policies: E-1 Emotional illness and Behavioral Emerg	<b>Skills &amp; Application:</b> Use of Restraints Post Taser EMS Procedure Petition forms	C. Mattera	
	1200-1300	Lunch				
	1300-1700	Behavioral emergencies cont.				C. Mattera
12/1/17 Fri	0900-1200	<b>Elderly emergencies</b>	Policy: I-3: Invalid Assist SOP: Elderly patients	2 PCR's due: Uncomplicated delivery: 2 reports: mom plus baby	M. Gentile	
	1200-1300	Lunch				
	1300-1700	<b>Clinical instructions for new units</b>				J. Dyer

**Week #13 (5 clinical shifts this week)**

12/4/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#9)
12/5/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#10)
12/6/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#11)
12/7/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#12)
12/8/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#13)

**Week #14 (5 clinical shifts this week)**

12/11/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#14)
12/12/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#15)
12/13/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#16)
12/14/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#17)
12/15/17	Clinical: ED, OR, ICU; OB; PEDS; Psych (#18)
<b>End of EMS 217</b>	

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**EMS Fall semester MUST BE DONE 12/15/17**

**Students PLEASE NOTE:**

**Make sure that you have registered at Harper College for the following:**

Spring semester 2018 January 16 – May 18: EMS 212, 213, 215, 218

Summer semester 2018 May 21: EMS 216

<b>WEEK #15: (1 Clinical shift this week) Start of EMS 212 and EMS 218</b>					
<b>SCHEDULE MEETING w/ HOSPITAL EMSC FACILITATING FIELD INTERNSHIP</b>					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
1/15/18 Mon	0900-1000	<b>Quiz 9</b> (covering inter-semester content: OB, peds, behavioral, elderly)	<b>Student assignment:</b> Disease written report due		M. Gentile
	0100-1200	<b>Environmental toxicology</b> (Bites, stings)			M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>Immune system; body defense against disease; Allergies &amp; Anaphylaxis</b>	SOP: Allergic Reactions/ Anaphylactic Shock	<b>Skills &amp; Application:</b> <b>Assumed knowledge:</b> Drugs: diphenhydramine, epinephrine 1mg/1mL, 1mg/10mL; albuterol, ipratropium	C. Mattera
1/16/18 Tues	0900-1200	<b>Environmental emergencies: Heat &amp; Cold</b>	SOPs: Heat Emergencies Cold Emergencies		C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Cardiac arrest mgt (adult and peds) 12L ECG; lead placement/interpretation Application of restraints Allergic rx patient assess/mgt		Lab Team
1/17/18 Wed	<b>EMS 218: Hospital Clinical #19: ED, OR (not Sun or Sat), ICU; OB, PEDS; Psych</b>				
1/18/18 Thurs	0900-1200	<b>Environmental: Water &amp; altitude related emergencies</b>	SOP: Submersion incidents		M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Cardiac arrest mgt: (adult) include post-ROSC 12 L ECG Cardiac arrest mgt (peds) Normal delivery w/ newborn care Abnormal delivery w/ newborn care Peds assessment (Broselow tape); drug calculations		Lab Team
1/19/18 Fri	0900-1200	<b>Infectious disease presentations</b>	<b>Student assignment:</b> 10 min oral presentations based on supplied criteria	<b>Skills Application:</b> I-2 Infection Control; significant exposures and functions of DICOs	M. Gentile
	1200-1300	Lunch			
	1300-1700	Infectious disease presentations cont.			M. Gentile

**WEEK #16: (1 Clinical shift this week)**

Date	Time	Topic	Pre-class prep	Class Activity	Faculty
1/22/18 Mon	0900-1030	<b>Quiz 10</b>	Joe here before class to discuss PCRs		M. Gentile
	1030-1200	<b>Metabolic disorders</b>			M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>Diabetes</b>	SOP: Diabetic/Glucose Emerg	<u>Skills &amp; Application</u> Capillary glucose assessment	C. Mattera
1/23/18 Tues	0900-1045	<b>Neuro A&amp;P</b>	Simulated PCRs due: Pediatric pt w/ fever & resp distress and Anaphylactic shock		C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>Neuro A&amp;P cont. Neuro Assessment</b>	SOP: AMS (p. 24)	<u>Skills &amp; Application:</u> Neurological Assessment	C. Mattera
1/24/18 Wed	0900-1200	<b>Stroke, TIA</b>	SOP: Stroke/Brain Attack	<u>Skills &amp; Application:</u> Stroke screen assessment Transport decision	C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>Medical neuro disorders</b>	SOP: Seizures		M. Gentile
1/25/18 Thurs	0900-1200	<b>GI A&amp;P</b>			Dr. O
	1200-1300	Lunch			
	1300-1430	<b>GI Emergencies</b>	SOP: Acute Abdominal/Flank pain	<u>Skills &amp; Application</u> Abdominal assessment	Dr. O
	1445-1700	<b>GU/Renal conditions</b>	SOP: Dialysis/Chronic Renal Failure	Renal assessment	Dr. O
1/26/18 Fri / Sat	<b>Clinical: ED, OR (not Sun or Sat), ICU; OB, PEDS; Psych, Stroke unit (#20)</b>				

**WEEK #17 (End of EMS 212: 1/29/16)**

Date	Time	Topic	Pre-class prep	Class Activity	Faculty
1/29/18 Monday	0900-1015	<b>Quiz 11</b>	<b>2 PCR's due:</b> Stroke & Diabetic w/ hypoglycemia		M. Gentile
	1015-1200	<b>Hematology</b>			K. Hill
	1200-1300	Lunch			
	1300-1700	<b>Toxicology &amp; Substance Abuse</b>	<b>SOPs:</b> Alcohol intoxication Drug OD/Poisoning		C. Mattera
1/30/18 Tuesday	0900-1200	Tox & Substance Abuse cont.			C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Neuro assessment based on scenarios; GCS scoring Medical patient assessment based on scenarios Capillary glucose assessment; calibration of units Mixing glucagon; D10 administration adult & peds 12 L ECG – adult & peds <b>Competency measured:</b> Adult cardiac arrest mgt (done in squads) ½ of the squad		Lab team
1/31/18 Wed	0900-1200	<b>Clinical Q&amp;A &amp; portfolio progress Prep EMS 212 Exams</b>			Jen Dyer; M. Gentile
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	Neuro/medical patient assessments w/ CSS & GCS Peds assessment <b>Competency measured:</b> Assess/mgt behavioral emerg restraint: Physical; chemical (done in squads) Adult cardiac arrest mgt (done in squads) ½ of the squad Normal delivery w/ newborn care Abnormal delivery w/ newborn care Peds drug calculation Capillary glucose assessment and D10 administration		Lab Team
2/1/18 Thursday	0900-1300	<b>Mod III (EMS 212) PRACTICAL Exam</b> Assigned in shifts	Medical & neuro patient assessments & mgt Peds assessment & mgt (anaphylaxis); (epi, albuterol, diphenhydramine) Peds intubation & ventilatory support: 12 L ECG: acquire & transmit		M. Gentile Lab Team
2/2/18 Friday	0900-1200	<b>Mod III (EMS 212) Written Exam and ECG Strip Test (Auditorium)</b>			M. Gentile
	1200-1300	<b>Exam Review (LC 3&amp;4)</b>			



<b>WEEK #18 (Start of EMS 213) (1 Clinical shift this week)</b>					
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Pre-class prep</b>	<b>Class Activity</b>	<b>Faculty</b>
2/5/18 Monday	0900-1200	<b>Kinematics</b> of trauma			Dr. O
	1200-1300	Lunch			
	1300-1700	<b>Hypovolemic Shock</b>	SOP: Shock		C. Mattera
2/6/18 Tue	0900-1200	Trauma Assessment & general mgt	SOP: ITC; Trauma Center criteria <b>Policy:</b> A-2 Aeromedical Transport	<b>Skills &amp; Application:</b> Trauma Assessment Hemorrhage control: CAT tourniquet; QuikClot drsg Fluid resuscitation	C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>Head Trauma</b>	SOP: Head trauma		C. Mattera
2/7/18 Wed	<b>Clinical: ED, OR, ICU; OB, PEDS, PSYCH, Stroke unit (#21)</b>				
2/8/18 Thurs	0900-1200	<b>Ocular emergencies and trauma</b>	SOP: Eye emergencies	<b>Skills &amp; Application</b> Review ocular assessment Contact lens removal Eye irrigation; protective shields; eye patching	J. Dyer
	1200-1300	Lunch			
	1300-1700	<b>Spine trauma</b>	SOP: Spine trauma <b>Assumed knowledge:</b> Atropine; norepi/dopamine	<b>Skills &amp; Application:</b> Selective spine precautions Helmet removal	C. Mattera
2/9/18 Fri	0900-1200	<b>Chest Trauma</b>	SOP: Chest Trauma	<b>Skills &amp; Application:</b> Pleural decompression; occlusive dressings	C. Mattera
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Competency measured:</b> Spine motion restriction – adult supine w/ helmet removal Spine motion restriction: adult seated w/ KED Hemorrhage control <b>Guided practice:</b> Assessing visual acuity; eye drops; shields; eye irrigation, Morgan lens <b>Needle thoracostomy; sealing open pneumo</b>		M. Gentile; Lab Team

WEEK #19 (1 Clinical shift this week)						
Date	Time	Topic	Pre-class prep	Class Activity	Faculty	
2/12/18 Monday	0900-1030	<b>Quiz 12</b>	<b>2 PCR's due:</b> Hypovolemic shock & Head trauma w/ GCS < 13		M. Gentile	
	1030-1200	<b>GU Trauma</b>			Dr. O	
	1200-1300	Lunch				
	1300-1500	<b>Abdominal trauma</b>			Dr. O	
	1500-1700	<b>Domestic violence</b>	<b>Policies:</b> V-2 Violence/abuse; V-3: Elder Abuse; V-4: Domestic Violence <b>SOP:</b> Suspected Abuse/Neglect		Susan Wood	
2/13/18 Tue	0900-1200	<b>Burns: Thermal</b>	<b>SOPs:</b> CO/cyanide poisoning; Burn trauma Burn Center Transport	<b>Skills &amp; Application:</b> Burn wound management	C. Mattera	
	1200-1300	Lunch				
	1300-1530	<b>Burns (other MOI)</b>			M. Gentile	
	1530 -1700	<b>Dealing with Death &amp; Dying; Palliative Care</b>	<b>SOPs:</b> Withholding/withdrawing Resuscitation/POLST form <b>Policies:</b> D5 Do not resuscitate guidelines M-4 Med Examiner Guidelines		M. Gentile	
2/14/18 Wed	<b>Clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke Unit (#22)</b>					
2/15/18 Thursday	0900-1200	<b>Musculoskeletal trauma</b>	<b>SOP:</b> Musculoskeletal trauma <b>Assumed knowledge:</b> fentanyl, midazolam	<b>Skills &amp; Application</b> All musculoskeletal procedures	Dr. O	
	1200-1300	Lunch				
	1300-1430	Pts with tracheotomies and on ventilators	<b>SOP:</b> Pt w/Tracheostomy (p.12)	<b>Skills &amp; Application:</b> Tracheal Suctioning	D. Mazzolini	
	1430-1700	<b>Facial &amp; ear Trauma</b>			C. Mattera	
2/16/18 Friday	0900-1200	Special patient populations	<b>SOP:</b> Extremely obese pt. Special Healthcare Needs		C. Mattera	
		Interventions for chronic care and technology-assisted patients	<b>Procedure Manual</b> Monitoring NG tubes, indwelling urinary catheter; developmental disabilities	<b>Skills &amp; Application:</b> NG tubes Indwelling urinary catheters G or J tubes Central vein catheters Cerebral shunts	C. Mattera	
	1200-1300	Lunch				
	1300-1700	<b>LAB</b>	Trauma assessment - Estimating TBSA burned; pain mgt; burn wound care NG/Foley; G or J tube monitoring; accessing PICC line <b>Competency measured:</b> Joint splinting Long bone splinting/traction splinting Pelvic splinting (upsidedown KED)		Lab Team	

WEEK #20 (1 Clinical shift this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
2/19/18 Monday	0900-1030	<b>Quiz 13</b>	<b>PCR due:</b> <b>SCI w/ paralysis</b>		M. Gentile
	1030-1200	<b>Patients with Autism</b>			B. Hornstein
	1200-1300	Lunch			
	1300-1700	<b>Radiation emergencies</b>			K. Christiansen
2/20/18 Tuesday	0900-1200	<b>Multiple patient incident management; Intro to Triage and SMART tags</b>	<u>SOP:</u> Multiple patient incidents <u>Policy:</u> C-3: Crisis Response E-6: Episodic Mass Gathering	<u>Skills Application:</u> Use of START and Jump-Start triage Use of SMART tags	D. Smith, P Dyer, D. Hoyt
	1200-1300	Lunch			
	1300-1700	<b>Multiple patient management cont.</b>		MPM exercises	D. Smith, P Dyer, D. Hoyt
2/21/18 Wed	<b>Hospital clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke unit (#23)</b>				
2/22/18 Thurs	<b>Hospital clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke Unit (#24)</b>				
2/23/18 Fri or Sat	<b>Hospital clinical: ED, OR (not Sun or Sat), ICU OB; Peds; Psych, Stroke Unit (#25)</b>				

<b>WEEK #21: 2 Class days: 3 Clinical shifts this week</b>					
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>Pre-class prep</b>	<b>Class Activity</b>	<b>Faculty</b>
2/26/18 Mon	0900-1200	<b>Hazardous Materials Incidents</b>	SOP: Hazardous Materials Incidents chemical agents, widespread disease outbreak SOP: Weapons of mass destruction – Duo-Dote kits		S. Pierson
	1200-1300	Lunch			
	1300-1700	<b>Gun safety</b>			S. Pierson
2/27/18 Tues	0900-1030	Vehicle rescue and rescue awareness operations	<b>Policy:</b> L-2: Safe Ambulance Operation: Use of Lights and Sirens		D. Hansen
	1200-1300	Lunch			
	1300-1700	<b>LAB</b>	<b>Skills Application:</b> Trauma assess & mgt: Head, spine Trauma assess: Chest, abdomen; MSK Trauma assess & mgt:: Burn  <b>Competency measured:</b> Cardiac arrest mgt: peds & adult		Lab Team
2/28/18 Wed	0900-1500	<b>Mod IV (EMS 213) PRACTICAL Exam</b> Assigned in shifts	<b>Practical Exam Module IV (EMS 213)</b> Trauma assess & mgt: Head w/ airway impairment Trauma assess & mgt: Spine w/ neuro losses Trauma assess: Chest/abdomen; Trauma assess: MSK w/ need for hemorrhage control Trauma assess: Burn		Lab Team
3/1/18 Thurs	0900-1200	<b>Mod IV (EMS 213) Written Exam (Auditorium)</b> <b>ECG Strip Test</b>			M. Gentile
	1200-1300	Lunch			
	1300-1400	Lunch and Review of Exam IV LC 3&4		Joe here to discuss PCR's after exam	M. Gentile
	1400-1700	<b>Orientation to field internship</b>	<b>Policy:</b> P-1: Preceptor		C. Mattera
3/2/18 Fri	<b>Hospital clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke Unit (makeup)</b> <b>END OF EMS 213 and 218</b>				

**Prerequisites for release to Field Internship (EMS 215):**

- Successful completion of EMS 213
- All initial Hospital clinical rotations done except for the elective and paperwork submitted to J. Dyer
- \*All Fisdap entries for labs and EMS 217 and 218 entered by student and approved by J. Dyer
- All class-required simulated runs completed by student, submitted to and approved by J. Albert
- Eligible preceptor(s) identified by agency, approved by hospital educator, & paperwork submitted to C. Mattera
- Agency agreement to host students signed by authorized administrator and submitted to C. Mattera
- Hold harmless statement signed by student and forwarded to agency

\*It is NOT necessary to have all required patient care contacts and skill revolutions completed and signed off before beginning the field internship, but major percentages of those patients or skills with limited contacts must be completed in lab and the hospital clinical rotations or the likelihood of getting them done on time is small. The specific numbers of each to be done prior to EMS 215 will be given to students.

EMS 215 Field Internship			
Weeks: 22-32 March 2- May 18, 2018	On shift with preceptors (agency-specific hours)	<b>IF ALL REQUIREMENTS ARE COMPLETED –Start EMS 215 Field Internship on March 2, 2018</b> Student approval to start will be sent by e-mail to student; Provider EMSC, and hospital EMSC**	
EMS 216: Seminar Hours and Finals (Wks 33-36)			
May 23, 24, 29, 30, 31 June 4, 5, 6, 2018	0900 - 1700	Specific agenda for seminar will be released in late April.	M. Gentile
6/7/18	0900 - 1700	<b>Final Practical exam</b>	M. Gentile & lab team
6/8/18	0900 - 1300	<b>Final Written exam &amp; ECG strip test (Auditorium)</b>	M. Gentile
6/11 & 12/18 6/13/18	10 min appts 7:00 - 8:30 pm	Student summative evaluations <b>Graduation!</b> (Auditorium)	M. Gentile All EMS team
6/22/18	0800 for group 1	<b>NREMT Practical Exam</b>	M. Gentile & lab team

\*\*Field Internships (EMS 215) not completed by May 18<sup>th</sup> may be extended on a case by case basis for up to six weeks. All internships must be completed by July 7, 2018 unless compelling extenuating circumstances apply or a failing grade must be reported to Harper College.