

Northwest Community Healthcare Paramedic Program

Course Schedule F16 - S17 Rev. 12/10/16

Assumed knowledge: Medical Terminology

Week # 1 Preparatory					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
9/12/16 Mon	0900-1100	Start EMS 210 - Welcome! 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	EMS Systems Standards of practice: SOPs, Policy manual Procedure manual Drug & Supply List	Text Vol 1: 21-41; 64-66 SOP: Introduction (p. 1) Policies: A-3: ALS vs. BLS Care; M-5: ALS/BLS Manpower Policy	SOPs & Policies found on System website: www.nwcemss.org under Standards of Practice tab	C. Mattera
	1200-1300	Lunch			
	1300-1700	EMS Systems cont.	Policies: B-1: Hospital Resource Limitation/Bypass; M-9: Med Engines/Alt Response Vehicles S-2: Specialized EMS Vehicles T-2: Patient Transport/ Selection of a Receiving Hosp		C. Mattera/M. Gentile
9/13/16 Tues Region IX mtg	0900-1200	Workforce safety and wellness: Illness & injury prevention; blood borne pathogens; preventing spread of disease; PPE; public health emerg, health promotion; stress	Text-Vol 1: 2-14; 42-58 Policies: I-2 Infection Control – DICOs I-4: Impaired practice S-1: Stress Intervention / CISM	Skills & Application: Role play appropriate use of PPE and significant exposure follow-up	M. Gentile
	1200-1300	Lunch			
	1300-1700	Brilliant on the basics: <i>Ready to sprint or stuck in the gate?</i>		White board lightning rounds of EMT concepts	Chris Dunn
9/14/16 Wed	0900-1030	Ethics in EMS	Text Vol 1: 83-88; 90-92 Policy: E-5: Code of Ethics	Skills & Application: Values card exercise Ethical scenarios	M. Gentile
	1030-1200	Therapeutic Communication: Factors affecting communication; interviewing techniques; difficult pts; adjusting for age, stage of development, pts with special needs, and differing cultures	Text Vol. 1: 558-577	Skills & Application: Role play various patient scenarios with challenges to effective communication	M. Gentile
	1200-1300	Lunch			
	1300-1700	Medical Legal Consent/refusal of care; confidentiality; tort and criminal actions; statutory responsibilities; mandatory reporting; health care regulation; pt rights/advocacy	Text Vol 1: 62-64; 66-76 Policies: 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	Skills & Application: Role play legal scenarios Complete a refusal form	J. Ortinau
9/15/16 Thurs.	0900-1200	EMS System communications: equipment; communication with other health care professionals; team communication & dynamics	Text Vol 1: 636-646 Policies: C-8 Communications Policy O-1 Override SOP: Radio Report	Role playing calling OLMC for a BLS patient	M. Gentile
	1200-1300	Lunch			
	1300-1700	Hospital clinical (EMS 214) & FISDAP orientation BRING an electronic device with internet connectivity to class Must have established a FISDAP account per J. Dyer's instructions			J. Dyer

Week # 1 Preparatory					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
9/16/16 Fri Chiefs mtg	0900-1030	Intro to medical math	General competency with general math functions assumed based on course prereq for Harper		K. Marcussen
	1030-1230	Roles & responsibilities: Professionalism; quality mgt; EMS research; accountability; ethical principles/ moral obligations; ethical tests and decision making	Text Vol 1: 29-39; 88-89 E-5: Code of Ethics Ethics: Text Vol 1: 83-88; 90-92	Case studies illustrating ethical and professional challenges	Cf. Drew Smith
	1230-1330	Lunch			
	1330-1700	Hospital clinical (EMS 214) sign up BRING an electronic device with internet connectivity to class Be ready to sign up for hospital clinical shifts			J. Dyer

WEEK #2					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
9/19/16 Mon	0900-1015	Quiz I			M. Gentile
	1015-1200	Pharmacology: Medication safety; legislation; naming; classifications; schedules; pharmacokinetics; storage & security; metabolism & excretion; mechanism of action; phases of activity; response; relationships; interactions; toxicity	Text Vol 1: 306-314; 323; 329-342 Policies: C-6: Controlled Substances; Logs D-2: Drug Replacement D-3: Exchanging drugs SOP: Drug appendix	Skills & Application: Pharmacology exercise Controlled Substance Logs	C. Mattera
	1200-1300	Lunch			
	1300-1400	General pharm. cont.			C. Mattera
	1400-1700	Autonomic nervous System	Text Vol 1: 152-155, 315-323		C. Mattera
9/20/16 Tues	0900-1200	Medication administration	Text Vol 1: 324-329; 411-440 Bring an orange or grapefruit and shorts and short-sleeve shirt to class	Skills & Application: Selective routes of medication administration	M. Gentile
	1200-1300	Lunch – change into shorts and short sleeve top			
	1300-1700	LAB	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 (on each other)		Lab Team
9/21/16 Wed	0900-1200	Vascular access: peripheral IVs	Text Vol 1: 439 – 464	Skills & Application: IV access	D. Hansen
	1200-1300	Lunch			
	1300-1700	LAB	Bring shorts and short-sleeve shirt to class Peripheral IV access on manikins – then each other Peripheral IV access: Ext. jugular on manikin Medication administration: IVP; IVPB; assembling preloads Obtaining venous samples		Lab Team
9/22/16 Thurs PEMSCs	0900-1200	Vascular access: Intraosseous infusions	Text Vol 1: 452-457	Skills & Application: IO access	D. Hansen
	1200-1300	Lunch			
	1300-1700	LAB	Bring shorts and short-sleeve shirt to class Peripheral IV access on manikins and each other Intraosseous vascular access Parenteral dose calculation & medication administration		Lab Team
9/23/16 Fri EMSCs		Documentation; Introduction to Image Trend software	Text Vol 1: 635-671 Policies: C-7 Confidentiality of Pt Records D-4: Data Collection SOP: Approved medical abbreviations Bring laptop or portable electronic device with internet connectivity	Skills & Application: Writing patient care reports (PCRs) that meet FACT criteria in ImageTrend software	Joe Albert, Adam Rothenberg; Markus Rill
		Lunch			
		Documentation cont.		Expectations of simulated PCRs during class	Joe, Adam & Markus

WEEK #3					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
9/26/16 Mon	0900-1015	Quiz 2			M. Gentile
	1015-1200	Respiratory A&P	Text-Vol 1: 173-179, 466-482, 543; 692	Skills & Application Pulse oximetry	C. Mattera
	1200-1300	Lunch			
	1300-1700	Respiratory A&P cont.			C. Mattera
9/27/16 Tues	0900-1200	Airway Management Positioning, BLS adjuncts; suctioning, endotracheal intubation	Text Vol 1: 488-498; 507; 518-538 SOP: Airway obstruction	Skills & Application Manual maneuvers; NPA/OPA Suction; oral/tracheal; OTI	M. Gentile/ C. Mattera
	1200-1300	Lunch			
	1300-1700	ETI cont.		Use of bougie	C. Mattera
9/28/16 Wed	0900-1200	Other routes of intubation	Text Vol 1: 492-507; 517-538 SOP: DAI	Skills & Application Drugs: lidocaine, atropine, benzocaine, midazolam, diazepam, ketamine, etomidate DAI; In-line; Inverse; Digital; & NT intubation	D. Neubecker
	1200-1300	Lunch			
	1300-1700	LAB	Competency measured: Positioning/manual man.; NPA/OPA; Suction (oral/tracheal) Obstructed airway maneuvers; BLS & ALS Lab practice stations: Intubation: ETI only Peripheral IV Access (each other)		Lab Team
9/29/16 Thurs	0900-1200	Extraglottic airways King; LMA; Combitube	Text Vol 1: 511-518; 539-543	Skills & Application King airway	Diana
	1200-1300	Lunch			
	1300-1700	LAB	Intubation: All forms King Airway		Lab Team
9/30/16 Fri	0900-1200	Cricothyrotomy: Needle and surgical	Text Vol 1: 482-488; 499-507	Skills & Application: All O ₂ delivery devices	C. Mattera
	Lunch	Lunch			
	1300-1700	LAB:	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
10/3/16 Mon	0900-1030	Quiz 3			M. Gentile
	1030-1200	Ventilating pts; O₂ delivery devices/CPAP	One page paper due: Why and when can O ₂ delivery be harmful?		M. Gentile/ C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB:	DAI; King airway Needle & Surgical Cric Application of O ₂ devices; CPAP; in-line nebs		Lab team
10/4/16 Tue	0900-1230	Capnography	Text Vol 1: 546-548, 693-694 SOP: Capnography	Skills & Application: Use of Pulse ox & ETCO ₂	Diana
	1230-1330	Lunch			
	1330-1700	LAB	Capnography assessment; pulse oximetry assessment Airway access in context of scenarios O ₂ devices in context of scenarios		Lab team
10/5/16 Wed	0900-1200	Fluid & Electrolytes	Text Vol 1: 212-220		V. Logan
	1200-1300	Lunch			
	1300-1700	Acid base imbalances	Text Vol 1: 220 – 226		M. Gentile
10/6/16 Thurs	0900-1200	Patient assessment Tools of assessment Maneuvers of assessment Sequencing of assessment	Text Vol 1: 578-634, 478-482, 827-838, 899-907, 1003-1006, 1038-1039 SOPs: General patient assessment Initial Medical Care	Skills & Application: General Assessment Drugs: ondansetron, fentanyl; Vital signs; Lung & heart sounds	C. Mattera
	1200-1300	Lunch			
	1300-1700	Patient assessment cont.	Policies: P-2: Physician/Nurse On Scene P-3: Crime Scene Response		C. Mattera
10/7/16 Fri	0900-1200	Patient assessment cont.			C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Advanced airways: ETI; DAI, nasotracheal O ₂ devices Vascular access Med administration: IM/Sub-q; IN, IVP; IVPB Assessment		Lab Team

WEEK #5 (2 clinical shifts this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
10/10/16 Mon	0900-1030	Quiz 4			M. Gentile
	1030-1200	EMS 210 Wrap up		Lighting round white board review	M. Gentile
	1200-1300	Lunch			
	1300-1700	Airway obstacle course: all forms of BLS & ALS airway adjuncts and O2 delivery devices		Complex airway scenarios	Lab team
10/11/16 Tues	0700-1000	Orientation to OR	Instructions from J. Dyer	On-site visits to hospitals with OR rotations	J. Dyer
	1000-1200	Final FISDAP instructions; remaining clinical scheduling			J. Dyer
	1200-1300	Lunch			
	1300-1700	LAB testing	Competency measured: Nasotracheal intubation: Adult O2 delivery: CPAP Med admin: IM; Sub-q; IN (MAD device) Intravenous vascular access		M. Gentile & Lab Team
10/12/16 Wed	0900-1500	PRACTICAL EXAM Mod 1 (EMS 210) Assigned in shifts	Competency measured: Intubation: DAI King airway Needle and surgical cric Med admin: IVP/IVPB IO infusions		M. Gentile & Lab Team
10/13/16 Thurs	0900-1200	WRITTEN EXAM Mod 1 (End of EMS 210) (Auditorium) Will cover content from Weeks 1-4			M. Gentile
	1200 -1330	Lunch and Exam review (LC 3 & 4)			
10/14 or15 Fri	Beginning of EMS 214 Hospital Clinical (#1): Options: ED (Adult) or OR (not on Sat)				

WEEK #6: Begin EMS 211– Medical Emergencies Part 1 (2 clinical shift this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
10/17/16 Mon	0900-1200	Respiratory disorders: Acute	Text Vol 1: 690-711; 716-725		M. Gentile
	1200-1300	Lunch			
	1300-1700	Respiratory disorders: Chronic: COPD/asthma	Text Vol 1: 711-716 SOP: COPD/Asthma	Skills & Application: Drugs: albuterol, ipratropium, epinephrine 1 mg/1mL, magnesium MDI, Nebulizer therapy: mouth piece/mask/in-line w/ BVM & C-PAP	C. Mattera
10/18/16 Tue	0900-1200	Respiratory SOP review – focus on drugs and therapies			M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	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
10/19/16 Wed	Hospital Clinical (#2): ED (Adult – may also schedule on Sun or Sat) or OR				
10/20/16 Thurs	0900-1200	Cardiovascular A&P	Text Vol 1: 738– 751		C. Mattera
	1200-1300	Lunch			
	1300-1700	Cardiovascular A&P cont			C. Mattera
10/21/16 Fri	0900-1200	General principles of shock; Pathophysiology and hypoperfusion – all forms	Text Vol 1: 205-212; 232-236 Assumed knowledge: 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
10/24/16 Mon State Ed comm	0900-1030	Quiz 5	PCR due: Simulated severe asthma		M. Gentile
	1030-1200	Acute Coronary Syndromes (ACS); cardiac assessment	Text-Vol 1: 735-738; 829-849 SOP: ACS	Skills & Application: Drugs: ASA, NTG, fentanyl; dopamine	M. Gentile
	1200-1300	Lunch			
	1300-1700	ACS & CVD cont.			C. Mattera
10/25/16 Tues	1030-1200	HF/pulmonary edema; Cardiogenic shock; HTN; Vascular diseases; AAA; LVADs	Text Vol 1: 849-858; 863-869; 875-885 SOP: HF/Pulmonary Edema Hypertension Differential for SOB		C. Mattera
	1200-1300	Lunch			
	1300-1700	CVD and complications cont.			C. Mattera
10/26/16 Wed	Hospital Clinical #3: ED (Adult – may also schedule on Sun or Sat) or OR				
10/27/16 Thurs PEMSCs	0900-1200	Intro to electrophysiology and ECG interpretation	Text Vol 1: 751-765	Skills & Application: Lead placement Measuring rate & intervals	C. Mattera
	1200-1300	Lunch			
	1300-1500	ECG interpretation cont.			C. Mattera
	1500-1700	Operation of monitors/defibrillators			Monitor reps
10/28/16 Fri EMSCs	0900-1200	LAB	Respiratory assessments acute and chronic		M. Gentile Lab team
	1200-1300	Lunch			
	1300-1700	LAB	Cardiac patient assessments; 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
10/31/16 Mon	0900-1030	Quiz 6	PCR due: Simulated pulmonary edema		M. Gentile
	1030-1200	Rhythms/Dysrhythmias originating in the SA node	Text Vol 1: 765–770; 808-811 SOP: Bradycardia with a pulse	<u>Skills & Application</u> Atropine, dopamine; pacing, glucagon	C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Resp & cardiac assessments ECG recognition sinus dysrhythmias		Lab team
11/1/16 Tue	0900-1200	Dysrhythmias originating in the atria	Text Vol 1: 770- 784 SOP: Narrow QRS Complex Tachycardia	<u>Skills & Application</u> Vagal maneuvers Adenosine, verapamil Synchronized cardioversion	M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	Resp & cardiac assessments; ECG recognition atrial dysrhythmias; vagal maneuvers; pacing; cardioversion/defibrillation		Lab team
11/2/16 Wed	Hospital Clinical #4: ED (Adult – may also schedule on Sun or Sat); or OR, ICU				
11/3/16 Thurs	0900-1200	Rhythms/Dysrhythmias originating in the AV Node	Text Vol 1: 784-788 SOP: Bradycardia with a pulse		C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Resp & cardiac assessments; ECG recognition junctional rhythms; pacing; cardioversion/defibrillation		Lab team
11/4/16 Fri	1030-1200	AV Heart blocks	Text Vol 1: 799-804		M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	Resp & cardiac assessments; ECG recognition AV blocks; pacing; cardioversion/defibrillation		Lab team

WEEK #9: 2 Clinical shifts this week					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
11/7/16 Mon	0900-1030	Quiz 7			M. Gentile
	1030-1200	Rhythms/Dysrhythmias originating in the ventricles:	Text Vol 1: 788– 799; 805-808 SOPs: Wide complex tachycardia w/ a pulse, VF/pulseless VT; Asystole/PEA	Skills & Application: Defibrillation Vasopressin/Epi 1:10,000, amiodarone	C. Mattera
	1200-1300	Lunch			
	1300-1700	Lab	Pacing Defibrillation cardioversion Respiratory assessment & mgt Dynamic cardiac assess/mgt		Lab team
11/8/16 Tues	0900-1200	Team cardiac arrest resuscitation	Text Vol 1: 858-862 Policy: T-1: Triple Zero SOP: CPR/Resuscitation		C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Pit crew approach to resuscitation: Team roles; CPR; BLS airways and changing compressors defibrillation/cardioversion		Lab team
11/9/16 Wed	Hospital Clinical #5: ED (Adult – may also schedule on Sun or Sat); or OR, ICU				
11/10/16 Thurs	0900-1200	Cardiac case studies; Dynamic cardiology practice			M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	Pit crew approach to resuscitation: Team roles; CPR; changing compressors; defibrillation/cardioversion; meds; BLS to ALS airways; post ROSC care		Lab team
11/11/16 Fri	0900-1200	Cardiac case studies; Dynamic cardiology practice			M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	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
11/14/16 Mon	0900-1030	Quiz 8			M. Gentile
	1030-1200	Prep for Mod II exam			M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	Pacing Defibrillation cardioversion Respiratory assessment & mgt Dynamic cardiac assess/mgt		Lab team
11/15/16 Tues	0900-1300	Practical Exam Mod II (EMS211)	Pacing Defibrillation cardioversion Respiratory assessment & mgt Dynamic cardiac assess/mgt		M. Gentile Lab Team
11/16/16 Wed	0900-1200	Written EXAM Mod II (EMS 211) / ECG strip exam (Auditorium)			M. Gentile
	1200-1330	Lunch and exam review (LC 3 & 4)			
11/17/16	Hospital Clinical #6: ED (Adult – may also schedule on Sun or Sat); or OR, ICU				
11/18/16	Hospital Clinical #7: ED (Adult – may also schedule on Sun or Sat); or OR, ICU				

WEEK #11: 1 Clinical shift this week					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
11/21/16 Mon	0900-1200	All of class: 12 L ECG (whole day)	Text-Vol 1: 811-828 SOP: 12 L ECG PCR due: Simulated pt w/ AMI w/atrial or junctional dysrhythmia		D. Neubecker
	1200-1330	Lunch			
	1300-1700	12 L ECG cont.			
11/22/16 Tues	0900-1300	1/3 class: 12 L ECG LAB - Rest of class: Clinical units			D. Neubecker
	1200-1300	Lunch			
	1300-1700	1/3 class: 12 L ECG LAB - Rest of class: Clinical units			D. Neubecker
12/23/16 Wed	0900-1300	1/3 class: 12 L ECG LAB - Rest of class: Clinical units			D. Neubecker
11/24/16	Thanksgiving - OFF				
11/25/16 Fri	Hospital Clinical #8: ED (Adult – may also schedule on Sun or Sat); or OR, ICU				



WEEK #12: 2 Clinical prep for Enhanced ED plus OB, Peds, Psych units					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
11/28/16 Mon	0900-1200	Gynecological Emerg. Childbirth	Text Vol 2: 2-31,32-70 SOPs: Entire OB section	<u>Skills & Application:</u> Uncomplicated and complicated delivery	C. Mattera
	1200-1330	Lunch			
	1300-1700	OB Complications Neonatology	Text Vol 2: 32-69 SOPs: Newborn care Newborn resuscitation Policy: A-5: Abandoned Newbn	<u>Skills & Application:</u> Newborn resuscitation	
11/29/16 Tues	0900-1300	Pediatric Lifespan development; IMC & medical emergencies	Text Vol 2: 71-132,167-181,184-189, 532-533 SOPs: Entire Peds section Policy: Refusals - Minors	<u>Skills & Application:</u> Peds airways access Peds vascular access Peds fluid/drug calc Peds cardiac arrest mgt	C. Mattera
	1200-1300	Lunch			
	1300-1700	Pediatric medical emergencies cont.			C. Mattera
11/30/16 Wed	0900-1300	Peds Trauma	SOP: Peds Trauma section		C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	12 L ECG acquisition Peds assessment OB assessment Normal delivery & newborn care Abnormal delivery & newborn care		M. Gentile; lab team
12/1/16 Thurs	0900-1200	Behavioral emergencies	Text Vol 1: 1167 – 1240 SOP: Psychological emergencies; Post-taser Policies: E-1 Emotional illness and Behavioral Emerg	<u>Skills & Application:</u> Use of Restraints Post Taser EMS Procedure Petition forms	C. Mattera
	1200-1300	Lunch			
	1300-1700	Behavioral emergencies cont.			C. Mattera
12/2/16 Fri	0900-1200	Elderly emergencies	Text Vol 2: 133-166 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	Clinical instructions for new units			J. Dyer

Week #13 (5 clinical shifts this week)

12/5/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#9)
12/6/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#10)
12/7/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#11)
12/8/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#12)
12/9/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#13)

Week #14 (5 clinical shifts this week)

12/12/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#14)
12/13/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#15)
12/14/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#16)
12/15/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#17)
12/16/16	Clinical: ED, OR, ICU; OB; PEDS; Psych (#18)

EMS Fall semester MUST BE DONE 12/16/16

Students PLEASE NOTE:

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

Spring semester 2017 January 17 – May 19: EMS 212, 213, 215

Summer semester 2017 May 22 – August 11: EMS 216

WEEK #15: (1 Clinical shift this week) Start of EMS 212					
SCHEDULE MEETING w/ HOSPITAL EMSC FACILITATING FIELD INTERNSHIP					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
1/16/17 Mon	0900-1000	Quiz 9 (covering inter-semester content: OB, peds, behavioral, elderly)	Student assignment: Disease written report due Text Vol 1: 1124-1136 Text Vol 2: 562-569		
	0100-1200	Environmental toxicology (Bites, stings)			M. Gentile
	1200-1300	Lunch			
	1300-1700	Immune system; body defense against disease; Allergies & Anaphylaxis	Text Vol 1: 235,1272-1276 SOP: Allergic Reactions/ Anaphylactic Shock	Skills & Application: Assumed knowledge: Drugs: diphenhydramine, epinephrine 1mg/1mL, 1mg/10mL; albuterol, ipratropium	C. Mattera
1/17/17 Tues	0900-1200	Environmental emergencies: Heat & Cold	Text-Vol 2: 533-550 SOPs: Heat Emergencies Cold Emergencies		C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Cardiac arrest mgt (adult and peds) 12L ECG; lead placement/interpretation Application of restraints Allergic rx patient assess/mgt		Lab Team
1/18/17 Wed	Hospital Clinical #19: ED, OR (not Sun or Sat), ICU; OB, PEDS; Psych				
1/19/17 Thurs	0900-1200	Environmental: Water & altitude related emergencies	Text Vol 2: 551-562 SOP: Submersion incidents		M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	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
1/20/16 Fri Chiefs mtg	0900-1200	Infectious disease presentations	Text Vol 1: 1137– 1166 Student assignment: 10 min oral presentations based on supplied criteria	Skills Application: I-2 Infection Control; significant exposures and functions of DICOs	M. Gentile
	1200-1300	Lunch			
	1300-1700	Infectious disease presentations cont.			

WEEK #16: (1 Clinical shift this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
1/23/17 Mon	0900-1030	Quiz 10	Joe here before class to discuss PCRs		M. Gentile
	1030-1200	GI A&P	Text-Vol 1: 997-1031		Dr. O
	1200-1300				
	1300-1430	GI Emergencies	SOP: Acute Abdominal/Flank pain	Skills & Application Abdominal assessment	Dr. O
	1445-1700	GU/Renal conditions	Text Vol 1: 1032-1058 SOP: Dialysis/Chronic Renal Failure	Renal assessment	Dr. O
1/24/17 Tues	0900-1045	Neuro A&P	Text Vol 1: 891 – 909 Simulated PCRs due: Pediatric pt w/ fever & resp distress and Anaphylactic shock		C. Mattera
	1200-1300	Lunch			
	1300-1700	Neuro A&P cont. Neuro Assessment	SOP: AMS (p. 24)	Skills & Application: Neurological Assessment	C. Mattera
1/25/17 Wed	0900-1200	Stroke, TIA	Text Vol 1: 910-944 SOP: Stroke/Brain Attack	Skills & Application: Stroke screen assessment Transport decision	C. Mattera
	1200-1300	Lunch			
	1300-1700	Medical neuro disorders	SOP: Seizures		M. Gentile
1/26/17 Thurs PEMSCs	0900-1200	Metabolic disorders:	Text Vol 1: 961-971		M. Gentile
	1200-1300	Lunch			
	1300-1700	Diabetes	Text Vol 1: 946 – 961 SOP: Diabetic/Glucose Emerg	Skills & Application Capillary glucose assessment	C. Mattera
1/27/17 Fri / Sat EMSCs	Clinical: ED, OR (not Sun or Sat), ICU; OB, PEDS; Psych, Stroke unit (#20)				

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

Date	Time	Topic	Pre-class prep	Class Activity	Faculty
1/30/17 Monday	0900-1015	Quiz 11	2 PCR's due: Stroke & Diabetic w/ hypoglycemia		M. Gentile
	1015-1200	Hematology	Text Vol 1: 1241-1254		K. Hill
	1200-1300	Lunch			
	1300-1700	Toxicology & Substance Abuse	Text Vol 1: 1098-1124 SOPs: Alcohol intoxication Drug OD/Poisoning		C. Mattera
1/31/17 Tuesday	0900-1200	Tox & Substance Abuse cont.			C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	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 Cardiac arrest mgt; 12 L ECG – adult & peds		Lab team
2/1/17 Wed	0900-1200	Clinical Q&A & portfolio progress Prep EMS 212 Exams			Jen Dyer; M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB	Neuro/medical patient assessments w/ CSS & GCS Cap glucose D10 administration all ages Peds assessment and drug calculation Competency measured: Assess/mgt behavioral emerg Restraint: Physical; chemical Adult cardiac arrest mgt Normal delivery w/ newborn care Abnormal delivery w/ newborn care		Lab Team
2/2/17 Thursday	0900-1300	Mod III (EMS 212) PRACTICAL Exam Assigned in shifts	Medical & neuro patient assessments & mgt Capillary glucose assessment and D10 administration Peds assessment & mgt (anaphylaxis); drug calculation (epi, albuterol, diphenhydramine and dopamine) Peds intubation & ventilatory support: 12 L ECG: acquire & transmit		M. Gentile Lab Team
2/3/17 Friday	0900-1200	Mod III (EMS 212) Written Exam and ECG Strip Test (Auditorium)			M. Gentile
	1200-1300	Exam Review (LC 3 & 4)			

WEEK #18 (Start of EMS 213) (1 Clinical shift this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
2/6/17 Monday	0900-1200	Kinematics of trauma	Text Vol 2: 262-301		Dr. O
	1200-1300	Lunch			
	1300-1700	Hypovolemic Shock	Text Vol 1: 1259-1282 SOP: Shock		C. Mattera
2/7/17 Tue	0900-1200	Trauma Assessment & general mgt	Text Vol 1: 600-634 Text Vol 2: 294-301 SOP: ITC; Trauma Center criteria Policy: A-2 Aeromedical Transport	Skills & Application: Trauma Assessment Hemorrhage control: CAT tourniquet; QuikClot drsg Fluid resuscitation	C. Mattera
	1200-1300	Lunch			
	1300-1700	Head Trauma	Text Vol 2: 403 – 421 SOP: Head trauma		C. Mattera
2/8/17 Wed	Clinical: ED, OR, ICU; OB, PEDS, PSYCH, Stroke unit (#21)				
2/9/17	0900-1200	Ocular emergencies and trauma	Text Vol 2: 394 - 400 SOP: Eye emergencies	Skills & Application Review ocular assessment Contact lens removal Eye irrigation; protective shields; eye patching	J. Dyer
	1200-1300	Lunch			
	1300-1700	Spine trauma	Text Vol 2: 422-465 SOP: Spine trauma Assumed knowledge: Atropine; dopamine	Skills & Application: Selective spine precautions Helmet removal	C. Mattera
2/10/17	0900-1200	Chest Trauma	Text Vol 2: 466 – 486 SOP: Chest Trauma	Skills & Application: Pleural decompression; occlusive dressings	C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Competency measured: Spine motion restriction – adult supine w/ helmet removal Spine motion restriction: adult seated w/ KED Hemorrhage control Guided practice: Assessing visual acuity; eye drops; shields; eye irrigation, Morgan lens Needle thoracostomy; sealing open pneumo		M. Gentile; Lab Team

WEEK #19 (1 Clinical shift this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
2/13/17 Monday	0900-1030	Quiz 12	PCR due: Hypovolemic shock Head trauma w/ GCS < 13		M. Gentile
	1030-1200	GU Trauma	Text Vol 2: 487-502		Dr. O
	1200-1300	Lunch			
	1300-1500	Abdominal trauma	Text Vol 2: 487-502		Dr. O
	1500-1700	Domestic violence	Text Vol 2: 167-189 Policies: V-2 Violence/abuse; V-3: Elder Abuse; V-4: Domestic Violence SOP: Suspected Abuse/Neglect		Susan Wood
2/14/17 Tue or Sat	0900-1200	Burns: Thermal	Text Vol 2: 346-380 SOPs: CO/cyanide poisoning; Burn trauma Burn Center Transport	Skills & Application: Burn wound management	C. Mattera
	1200-1300	Lunch			
	1300-1700	Burns other MOI.			M. Gentile
	1530-1700	Patients with Autism			B. Hornstein
2/15/17 Wed	Clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke Unit (#22)				
2/16/17 Thursday	0900-1200	Musculoskeletal trauma	Text Vol 2: 312-345 SOP: Musculoskeletal trauma Assumed knowledge: fentanyl, midazolam	Skills & Application All musculoskeletal procedures	Dr. O
	1200-1300	Lunch			
	1300-1430	Pts with tracheotomies and on ventilators	SOP: Pt w/Tracheostomy (p.12)	Skills & Application: Tracheal Suctioning	D. Mazzolini
	1430-1700	Facial & ear Trauma	Text Vol 2: 381-394		C. Mattera
2/17/17 Friday	0900-1200	Special patient populations	Text Vol 2:190-219 SOP: Extremely obese pt. Special Healthcare Needs		C. Mattera
		Interventions for chronic care and technology-assisted patients	Text Vol 2: 228-260 Procedure Manual Monitoring NG tubes, indwelling urinary catheter; developmental disabilities	Skills & Application: NG tubes Indwelling urinary catheters G or J tubes Central vein catheters Cerebral shunts	C. Mattera
	1200-1300	Lunch			
	1300-1700	LAB	Trauma assessment - Estimating TBSA burned; pain mgt; burn wound care NG/Foley; G or J tube monitoring; accessing PICC line Competency measured: 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
2/20/17 Monday	0900-1030	Quiz 13	PCR due: SCI w/ paralysis		M. Gentile
	1030-1200	Dealing with Death & Dying; Palliative Care	SOPs: Withholding/withdrawing Resuscitation/POLST form Policies: D5 Do not resuscitate guidelines M-4 Med Examiner Guidelines		M. Gentile
	1200-1300	Lunch			
	1300-1700	Radiation emergencies			K. Christiansen
2/21/17 Tuesday	0900-1200	Multiple patient incident management; Intro to Triage and SMART tags	Text Vol 2: 824-846 SOP: Multiple patient incidents Policy: C-3: Crisis Response E-6: Episodic Mass Gathering	Skills Application: Use of START and Jump-Start triage Use of SMART tags	D. Smith, P Dyer, D. Hoyt
	1200-1300	Lunch			
	1300-1700	Multiple patient management cont.		MPM exercises	D. Smith, P Dyer, D. Hoyt
2/22/17 Wed	Hospital clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke unit (#23)				
2/23/17 Thurs PEMSCs	Hospital clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke Unit (#24)				
2/24/17 Fri or Sat EMSCs	Hospital clinical: ED, OR (not Sun or Sat), ICU OB; Peds; Psych, Stroke Unit (#25)				

WEEK #21: 2 Class days: 3 Clinical shifts this week					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
2/27/17 Mon	0900-1200	Hazardous Materials Incidents	Text Vol 2:764-800 SOP: Hazardous Materials Incidents chemical agents, widespread disease outbreak SOP: Weapons of mass destruction – Duo-Dote kits		S. Pierson
	1200-1300	Lunch			
	1300-1700	Gun safely; conceal and carry			S. Pierson
2/28/17 Tues	0900-1030	Vehicle rescue and rescue awareness operations	Policy: L-2: Safe Ambulance Operation: Use of Lights and Sirens		D. Hansen?
	1200-1300	Lunch			
	1300-1700	LAB	Skills Application: Trauma assess & mgt: Head, spine Trauma assess: Chest, abdomen; MSK Trauma assess & mgt:: Burn Cardiac arrest mgt: peds & adult:		Lab Team
3/1/17 Wed	0900-1500	Mod IV (EMS 213) PRACTICAL Exam Assigned in shifts	Practical Exam Module IV (EMS 213) 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 Cardiac arrest mgt (adult) Cardiac arrest mgt (peds)		Lab Team
3/2/17 Thurs	0900-1200	Mod IV (EMS 213) Written Exam (Auditorium) ECG Strip Test			M. Gentile
	1200-1300	Lunch			
	1300-1400	Lunch and Review of Exam IV LC 3&4		Joe here to discuss PCRs after exam	M. Gentile
	1400-1700	Orientation to field internship	Policy: P-1: Preceptor		C. Mattera
3/3/17 Fri	Hospital clinical: ED, OR (not Sun or Sat), ICU, OB; Peds; Psych, Stroke Unit (makeup)				

It is NOT necessary to have all patient care contacts met and signed off before beginning the field internship, but all initial Clinical Rotations must be done, Fisdap entries made, and paperwork submitted to, and approved by, J. Dyer

EMS 215 Field Internship			
Weeks: 22-32 March 3- May 19, 2017	On shift	IF ALL REQUIREMENTS ARE COMPLETED – Start EMS 215 Field Internship on March 3, 2017 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 24 or 25. May 30, 31, June 1, & 2	0900 – 1700 each day	Specific schedule for seminar will be released in late April.	M. Gentile
June 5-9, 2017	0900 – 1700	Monday: Seminar cont. Tuesday: Seminar cont. Wed: Seminar cont; final practical practice Thurs: Final Practical exam Friday: Final Written exam and ECG strip test	Lab team Lab team Grades due to Harper
6/12 or 13/2017 6/14/2017	10 min appts 7:00 pm	Student summative evaluations Graduation!	M. Gentile All EMS team
June 19, 2017		NREMT Practical Exam	M. Gentile and lab team

Internships on an approved extension must be completed by July 14, 2017 or a failing grade will be reported for EMS 215.