

Paramedic Program

Academic Calendar F23-24 (Updated 8-24-23)

- Presumes face to face instruction and full access to clinical experiences. Expect changes if conditions require virtual classes and restriction of clinical units.
- Assumed knowledge:** EMT content; baseline reading and math competency; and Medical Terminology

Week # 1				
Date	Time	Topic		Faculty
9/11/23 Mon	0900-1200	Welcome! Orientation: squads, jobs, and performance expectations; detailed review of student syllabus, academic calendar, Student Handbook; Icebreaker activity	Sign & submit agreements: Learning Contract; Release of academic Information; consents for invasive procedures; photographs; and emergency preparedness exercise participation	M. Gentile
	1200-1300	Lunch		
	1300-1530	Orientation cont.		
	1530-1700	Brilliant on the basics: <i>Ready to sprint or stuck in the gate?</i>	EMT knowledge needs assessment; game format	C. Dunn
9/12/23 Tue	0900-1100	Workforce safety, wellness, and resilience: Culture of safety; standard safety precautions; infectious diseases, prevention & control; disease transmission; blood borne pathogens, & personal protective equipment (PPE); lifting and moving patients; crew resource management; injury prevention and wellness; Public health mission & goals; EMS roles in public health, social, geographic, economic demographic determinants of health; patient and community education; and health promotion; screenings & vaccinations/immunizations; impacts of political, social, and economic issues; bioinformatics.	Policies: <u>I-2 Infection Control – DICOs</u> <u>I-4: Impaired practice</u> Skills & Application: Selection, donning, doffing, disposal of PPE; contact, droplet, & airborne precautions; exposure follow-up	M. Gentile
	1100-1200	Responder mental and emotional health wellness principles; resilience and suicide prevention; body's response to stress, stress mitigation and management; RISE team access	S-1: Stress Intervention / CISM	J. Kottmeier
	1200-1300	Lunch		
	1300-1700	EMS Systems: • History of EMS; national guidelines, legislative authority, medical oversight; standards of care and scopes of practice; system structure, Systems of care, e.g., Stroke, STEMI, Trauma, Pediatrics; continuum of care; MIH/CP and other EMS-related specialty roles EMS response options • Quality assessment and performance improvement • EMS in a value-based economy, preparedness (recruitment/retention; staffing, education, credentialing, licensure, resource mgt) response, integration with other resources/agencies; patient disposition	SOP: Introduction (p.1-2) Policies: A-2: Use of Aeromedical Transport; A-3: ALS -EMR Services; Police Dogs Service Dogs; B-1: Hospital Resource Limitation/Ambulance Bypass; C2 CE; C3 Crisis response plan Medical Surge; D7 EMDs; M-9:Med Engines/ Alternate Response Vehicles; R1: Relicensure; S-2: Specialized EMS Vehicles; S3: EMS Staffing Requirements; T-2: Patient Disposition/Transport/Selection of Receiving Facility SOPs, EMS Policies, Procedure Manual, Drug and Supply List found on System website: www.nwcemss.org under Standards of Practice tab Illinois EMS Act and Rules: https://dph.illinois.gov/topics-services/emergency-preparedness-response/ems.html National documents found at: www.EMS.gov / Resources	C. Mattera
9/13/23 Wed	0900-1200	Intro to medical math		
	1200-1300	Lunch		

Week # 1					
Date	Time	Topic			Faculty
	1300-1700	Patient assessment: Primary assessment Tools of assessment Maneuvers of assessment Sequencing, timing, and technique; risk mitigation, control and correct hazards, request adequate resources; crime scene responses; detect and resuscitate clinically evident, immediate life-threats	SOPs: General pt assessment; Initial Medical Care Pediatric IMC, Elderly Patients Policies: P-2: Independent Physician/Nurse On Scene; P-3: Interaction w/ Police/ Crime Scene Responses Procedure manual: General Pt Assessment	Skills & Application: - Scene size up/situational awareness, dynamic risk assessment & mitigation - Scene mgt - Impact of the environment on patient care - Hazard abatement - Violence; crime scenes - Need for specialized resources - Finding & resuscitating clinically evident immediate life-threats	M. Gentile
9/14/23 Thurs	0900-1200	Patient assessment: Secondary assess; including age-related variations in pediatric and geriatric patients	Skills & Application: Obtaining a chief complaint, assoc. S&S, SAMPLE Hx (pain assess); pertinent negatives; interviewing techniques; therapeutic communication and adaptive interview techniques. Obtaining, reporting and documenting accurate vital signs; Review of Systems:(breath, heart, and bowel sounds); and monitoring and reassessment Identification of monitoring devices: - Pulse oximetry (SpO ₂)/End tidal CO ₂ (EtCO ₂) monitoring - Non-invasive blood pressure - Cardiac monitoring rhythm strip and 12 L ECG acquisition, interpretation, and transmission - Blood glucose determination - Venous blood sampling/Blood chemistry analysis		Bill
	1200-1300	Lunch			
	1300-1500	Patient assessment cont.			Bill
	1500-1700	EMS communications: Equipment and communication systems; communication with other health care professionals to include cohesive and organized patient handoff; team communication & dynamics; telemetric monitoring devices and transmission of clinical data, including video data	Policies: C-8 Communications Policy O-1 Override SOP: OLMC Report/Handoff Reports	Skills & Application: Role playing calling OLMC for a BLS patient	M. Gentile
9/15/23 Fri	0900-1000	Quiz 1 blueprint review; checks for understanding			M Gentile
	1000-1200	Pharmacology: Culture of safety; Federal and state legislation, regulation, and standards; DEA; drug profiles, names; classifications; schedules; pharmacokinetics; pharmacodynamics, storage & security; metabolism & excretion; weight-based dosing, interactions; side effects; toxicity; tolerance, tachyphylaxis, risks of polypharmacy	Policies: C-6: Controlled Substances; Logs; D-2: Drug Replacement; D-3: Exchanging drugs; R-7 Reportable Incidents; SOP: Drug appendix	Skills & Application: Controlled Substance Logs Peer to Peer Exchange form Acute medications Chronic or maintenance medications	Bill
	1200-1300	Lunch			
	1300-1400	Pharmacology cont.			Bill
	1400-1700	Autonomic Nervous System: Sympathetic and parasympathetic NS A&P; neurotransmitters/receptors for each; clinical presentations and physiologic impact when stimulated or suppressed; mimetic and lytic interventions for both			C. Mattera

Week # 2					
Date	Time	Topic			Faculty
9/18/23 Mon	0900-1030	Quiz 1			M. Gentile
	1030-1200	Hospital clinical orientation			Bill
	1200-1300	Lunch			
	1300-1430	Hospital clinical signup			Bill
	1430-1700	Medication administration: "7 Rights of drug administration"	Skills & Application: Selective routes of med administration Inhaled, IM, IM auto-injector; IN (NAS); IV/IO; SL; NG; PO; Rectal; SUBQ; topical; transdermal		M. Gentile
9/19/23 Tue	0900-1100	Vascular access: peripheral IVs	Skills & Application: IV access adults & peds; venous blood sampling; IVPB/Sapphire pump use		M. Gentile
	1100-1200	Intraosseous infusions	Skills & Application: IO access (approved sites adults and peds)		M. Gentile
	1200-1300	Lunch			
	1300-1530	Platinum Orientation. Must have established a Platinum account			Bill
	1530-1700	IV - BD Nexiva IV catheter Demo			P. Gruber
9/20/23 Wed	0900-1200	Respiratory A&P including age-related variations in pediatric and geriatric pts			C. Mattera
	1200-1300	Lunch			
	1300-1500	Respiratory A&P cont.			C. Mattera
	1500-1700	Oximetry: pulse oximetry (SpO ₂) & Capnography (EtCO ₂): Sensor types, application, interpretation and monitoring (See Procedure Manual)			M. Gentile
9/21/23 Thurs	0900-1200	Lab 1: Donning/doffing demo right before lab Prereq: watch video			Lab Team
		Stations – IM x & SUBQ on manikin – MDI; HHN, Intranasal – Pt assessment (w/ VS) – Pt assessment (w VS) – COMPETENCY: Donning/Doffing PPE	Goals for SMC Matrix Criteria: Comprehensive Physical Assessment w/ VS; (1 of 1) IM injection: 2 Formative Individual (Ind.) Skill; (1 & 2 of 2) Inhaled (MDI/HHN) 1 Formative (Form.) Individual Skill in lab; (1 of 1) Intranasal: 1 Formative Individual Skill in lab; (1 of 1) SUBQ: 1 Formative Individual Skill in lab; (1 of 1)		
	1200-1300	Lunch			
	1300-1700	Lab 2			Lab Team
		Sapphire pump demo TBD with T. Hayes Schedule			
9/22/23 Fri	0900-1030	Airway Management Airway assessment; techniques of assuring a patent airway: Positioning, BLS adjuncts; suctioning; FBAO maneuvers	SOP: Adult & peds FBAO	Skills & Application Peds & adults age-related variations: Manual maneuvers; NPA/OPA; suction oral/tracheal; FBAO (BLS & ALS)	M. Gentile
	1030-1200	Endotracheal intubation (ETI) direct laryngoscopy	SOP: Adv. airway	Skills & Application DL (unmedicated) ETI; use of bougie	M. Gentile
	1200-1300	Lunch			
	1300-1700	ETI cont./ Drug assisted intubation (DAI)	SOP: Adv. Airways/DAI	Skills & Application Drugs: ketamine, etomidate, midazolam, fentanyl	Dr. Jordan

Week # 3 (1 clinical shift)					
Date	Time	Topic			Faculty
EMS 217 begins (actual start 9-29-23 or 9-30-23)					
9/25/23 Mon	0900-1015	Quiz 2			M Gentile
	1015-1200	Video laryngoscopy (VL) (King Vision)	SOP: Advanced airways/DAI	Skills & Application VL ETI	Dr. Jordan
	1200-1300	Lunch			
	1300-1700	Supraglottic airway (SGA)/Blind insertion airway device (BIAD: i-gel; LMA; CombiTube & Other routes of intubation	SOP: Advanced airways Peds Airway Adjuncts	Skills & Application In-line; inverse; digital ETI; SGA (i-gel)	M. Gentile
9/26/23 Tue	0900-10:30	Cricothyrotomy: Needle and surgical	*order sheep trachea's for hands on skills demo	Skills & Application: Needle & surgical cric	Mike & Bill
	10:30-1200	Cricothyrotomy Lab – Sheep Trachea	Cricothyrotomy (Surgical): 1 Formative Ind. Skill in lab (1 of 2) Cricothyrotomy (Needle): 1 Formative Ind. Skill in lab; (2 of 2)		Mike & Bill
	1200-1300	Lunch			
	1300-1700	Lab 3			
		Stations – IV Access w/ IVP med – IO access – DL: BLS airways, preox, oximetry, suction, bougie – VL BLS airways, preox, oximetry, suction, bougie – SGA (i-gel)	Goals for SMC Matrix Criteria: - must calculate dose for ea. med IV Access: 1 Formative Individual Skill in scenario; (2 of 2) IV Med. Admin: 1 Formative Ind. Skill in lab; (2 of 2) IO Access: 1 Formative Ind. Skill in lab; (3 of 4) ETI: 2 Formative Individual Skill in lab; (1 & 2 of 2) ET suctioning: 2 Formative Ind. Skill in lab; (1 & 2 of 2) SGA adult: 2 Formative Individual Skill in lab; (1 & 2 of 2)		Lab Team
9/27/23 Wed	0900-1200	O2 delivery: NC, NRM, CPAP; BVM & PPV including age-related variations in pediatric and geriatric patients	Skills & Application: Adults & Peds: All O2 delivery devices; BVM ventilations (1 & 2 person); Mouth to barrier, mask, mouth, nose, stoma – See Procedure Manual		M. Gentile
	1200-1300	Lunch			
	1300-1700	Practice with BLS airway and O2 delivery devices; 1 & 2 person BVM & PPV peer to peer PPV with BVM: 2 Formative Individual Skill in lab (1 & 2 of 2) Use of NC, NRM, CPAP masks Live IM injection: 1 Summative Skill on LIVE pt; (2 of 2) Bill and Mike			
9/28/23 Thurs	0900-1200	Airway & oxygen mgt strategies; sedation and monitoring, gas exchange/ventilation/O2 delivery application: BravoZone; dialogue-based instruction; case studies/simulations/scenario's/role play/mind maps.			M. Gentile
	1200-1300	Lunch			
	1300-1700	Lab 4			
Stations – Live IVs X 2 stations (3 students attempt at each station – all observe) – ALS FBAO, DL (suctioning/ Magill forceps/PPV) – VL DAI (suctioning/PPV) – SGA (i-gel) (PPV)		Goals for SMC Matrix Criteria: IV Access: 1 Formative Individual Skill Live Patient (Pt) IV Infusion Med Admin: 1 Formative Ind. Skill Live Pt FBAO Removal w/ Magill Forceps: 1 Form. Ind. Skill in lab (1 of 2) Endotracheal Int.: 1 Summative Ind. Skill in scenario; (1 & 2 of 10) * Supraglottic (i-gel): 1 Summative Ind. Skill in scenario; (1 of 10)* ET Suctioning: Summative Ind. Skill in scenario; (1 & 2 of 2)* PPV w/ BVM: 3 Summative Ind. Skill in scenario; (1-3 of 10)*		Lab Team	
Fri 9/29; Sat 9/30; or Sun 10/1 Hospital Clinical (#1): ED (Adult)					

Week # 4 (1 clinical shift)					
Date	Time	Topic			Faculty
10/2/23 Mon	0900-1015	Quiz 3			M. Gentile
	1030-1200	Paramedic Roles & Responsibilities: Professional values, attitudes, attributes and behaviors that reflect; emotional intelligence within the affective domain of learning. Levels of competence and how they are assessed and evaluated. Research in EMS; data collection; evidence-based decision making; research principles to interpret literature and advocate for EB practice			C. Mattera
	1200-1300	Lunch			
	1300-1700	Therapeutic Communication: Health care literacy; interviewing techniques; verbal defusing strategies; managing communication challenges; family centered care; adjusting communication strategies for age, stage of development, patients with special needs; non-discriminatory communication that addresses inherent or unconscious bias, is culturally aware and sensitive, and intended to improve patient outcomes.	Skills & Application: Role play patient scenarios		M. Gentile
Tue. 10/3; Sat. 10/7; or Sun 10/8 Hospital Clinical (#2): Options: ED (Adult)					
10/4/23 Wed	0900-1200	Ethics in EMS: Ethical principles & decision making; ethical codes of conduct	Policy: E-5: Code of Ethics	Skills & Application: Values card exercise Ethical scenarios	M. Gentile
	1200-1300	Lunch			
	1300-1700	Acid – Base Imbalances and interventions; using EtCO ₂ to detect metabolic acidosis			M. Gentile
10/5/23 Thurs	0900-1200	Fluid & Electrolytes			C. Mattera
	1200-1300	Lunch			
	1300-1700	Lab 5			
		Stations Ind. skill in scenario: – FBOA retrieval, DL ETI, PPV BVM; ETI suction; X 1 – CPAP, i-gel, PPV BVM X 1 – Cric surgical X1 – Cric needle X 1 – IV Infusion w/ IV med X 1	Goals for SMC Matrix Criteria: ET Intubation: 1 Summative Ind. Skill in scenario; (2 of 10) * SGA (i-gel): 1 Summative Ind. Skill in scenario; (2 of 10) * ET Suctioning: 1 Summative Ind. Skill in scenario; (2 of 2) * PPV with BVM: 2 Summative Ind. Skill in lab; (3 & 4 of 10) * CPAP: 1 Formative Individual Skill in scenario; (1 of 4) Cric. (Needle): 1 Summative Ind. Skill in lab; (1 of 2) * Cric. (Surgical): 1 Summative Ind. Skill in lab (2 of 2) * FBAO removal w/ Magill Forceps: 1 form. ind. skill in lab (2 of 2) IVP Med: 1 Summative Ind. Skill in scenario; (1 of 2)		Lab Team
10/6/23 Fri	0900-1200	Legal: Legal system, civil and criminal law/burden of proof; negligence; torts, issues of consent/dissent; confidentiality (HIPAA); statutory duties; mandatory reporting; health care regulation; pt rights/advocacy	Policies: A-1 Abandonment D-1 Due Process G-1,-2,-3: Grievance policies M-8 Med Device Malfunction R-6 Refusal of Care R-7 Reportable Incidents	Skills & Application: Role play legal scenarios	C. Mattera
	1200-1300	Lunch			
	1300-1700	Lab 6			
		Stations Ind. skill in scenario: – Pt. assessment w/VS – Pt assessment w/VS – DAI DL w/ ET suction & PPV – ETI VL w/CPAP & PPV – SGA (i-gel) w/ PPV	Goals for SMC Matrix Criteria: Patient Assessment: 1 Comprehensive Physical Assessment w/ Vital Signs; (1) (3 students perform at ea station) VL DAI: 1 Summative ind. skill in scenario; (3 of 10) * Supraglottic (i-gel): 1 Summative ind. skill in scenario; (3 of 10) * CPAP: 1 Formative individual skill in scenario; (2 of 4) PPV with BVM: 3 Summative ind. skills in scenario; (5-7 of 10) * ET Suctioning: 1 Extra skill		Lab team

Week # 5 (1 clinical shift this week)					
Date	Time	Topic			Faculty
10/9/23 Mon	0900-1100	Quiz 4			M Gentile
	1100-1200	Quiz review; EMS 210 written blueprint and practical exam expectations			M Gentile
	1200-1300	Lunch			
	1300-1700	Lab 7			Lab Team
Stations: final prep for practical exam Part B: – VL DAI CPAP; suction, oximetry; RASS, monitoring – Supraglottic Airway (i-gel); PPV – Cricothyrotomy Needle – Cricothyrotomy Surgical – FBAO; Magill forceps		Goals for SMC Matrix Criteria: VL DAI ETI: Ind. Skill in scenario Suctioning IV med administration PPV Supraglottic Airway: Ind. Skill in scenario CPAP: Individual Skill in scenario Cricothyrotomy (Needle): Ind. Skill in scenario Cricothyrotomy (Surgical): Ind. Skill in scenario FBAO Removal w/ Magill Forceps: Ind. Skill in scenario			
10/10/23 Tues	0900-1200	Documentation Principles of medical documentation and report writing; recording patient findings; supporting medical necessity	Policies: C-7 Confidentiality D-4:Data Collection & submission ePCR software EMS Short Form SOP: Medical abbreviations	Skills & Application: Writing patient care reports (PCRs) that meet FACT criteria	Mike
	1200-1300	Lunch			
	1300-1700	EMS 210 Practical Exams: Competency measured			Lab Team
Stations Part A: - IO tibia access - Med admin: IVP/IVPB - Med admin IN/HHN					
10/11/23 Wed	0900-1300	Stations Part B: - VL DAI; CPAP; suction, oximetry; RASS; ongoing monitoring - Supraglottic Airway (i-gel); preox; PPV - Cricothyrotomy Needle - FBAO manual maneuvers & Magill forceps			Lab Team
		- Cricothyrotomy Surgical - IV access - Med admin: IM/SUBQ - General patient assessment w VS			
10/12/23 Thurs	0900-1200	EMS 210 Cognitive EXAM (Auditorium)			M. Gentile
	1200-1300	Lunch			
	1300-1400	Exam review ; brief for EMS 211 (LC 3 & 4)			
EMS 210 ends					
Fri 10/13; Sat 10/14; or Sun 10/15 Hospital Clinical (#3): Options: ED (Adult) or the OR (not on Sat or Sun)					

WEEK #6: (1 clinical shift this week)					
Date	Time	Topic			Faculty
EMS 211 begins					
10/16/23 Mon	0900-1200	Respiratory disorders: Acute Adult and peds Hyperventilation syndrome; pulm. Embolism; spontaneous pneumothorax; non-cardiogenic pulmonary edema; disordered breathing caused by extreme obesity; dysfunction of the spinal cord, nerves, or resp. muscles; neoplasms of the lung; Pneumonia; resp. infections	SOP: Acute respiratory disorders (pneumonia/ influenza; Pulmonary embolism) Peds: Croup, epiglottitis, RSV/ Bronchiolitis BRUE	<u>Skills & Application:</u> Drugs: albuterol, ipratropium, epinephrine 1 mg / 1mL, magnesium MDI, nebulizer: mouth piece/ mask/in-line w/ BVM & C-PAP	M. Gentile

WEEK #6: (1 clinical shift this week)				
Date	Time	Topic		Faculty
	1200-1300	Lunch		
	1300-1700	Respiratory disorders: Chronic: COPD/asthma; bronchopulmonary dysplasia	SOP: COPD/Asthma (adult and peds)	C. Mattera
Tues 10/17/23; Sat 10/21 or Sun 10/22 Hospital Clinical (#4): Options: ED (Adult) or the OR (not on Sat or Sun)				
10/18/23 Wed	0900-1200	Cardiovascular A&P		Bill
	1200-1300	Lunch		
	1300-1700	Cardiac A&P cont.		Bill
10/19/23 Thurs	0900-1200	SHOCK: General etiologies, pathophysiology – all forms	Shock SOPs	Mike
	1200-1300	Lunch		
	1300-1700	Shock cont.		Mike
10/20/23 Fri	0900-1200	Week 6 Theory into practice: BravoZone; Case Study/Scenario's; Student Centered Activities		M. Gentile
	1200-1300	Lunch		
	1300-1700	<u>Stations</u> - Respiratory assess X 2 - Shock assess - VL DAI w/CPAP preox, oximetry, ET suctioning, PPV, IVP meds; RAAS - SGA (i-gel) PPV, preox; suctioning	<u>Goals for SMC Criteria:</u> Comprehensive Respiratory and Shock Assessment w/ VS in scenario; (4, 5, 6 of 50) <u>Via Comprehensive skill competencies in lab:</u> ET Intubation: 1 Summative Ind. Skill in scenario; (4 of 10) * CPAP: 1 Formative Individual Skill in scenario; (3 of 4) PPV with BVM: 1 Summative Ind. Skill in scenario; (6 of 10) * ET Suctioning: 1 Extra Skill SGA (i-gel): 1 Summative Ind. Skill in scenario; (4 of 10) *	Lab team

WEEK #7: (1 Clinical shift this week)					
Date	Time	Topic			Faculty
10/23/23 Mon	0900-1030	Quiz 5			M. Gentile
	1030-1200	Acute Coronary Syndromes (ACS); cardiac assessment	SOP: ACS	Skills & Application: Drugs: ASA, NTG, fentanyl; ketamine	Bill
	1200-1300	Lunch			
	1300-1700	ACS & CVD cont.			Bill
Tue 10/24/23; Sat 10/28; or Sun 10/29 Hospital Clinical(#5): Options: ED (Adult) or the OR (not on Sat or Sun)					
10/25/23 Wed	TBA	Active assailant exercise – off site – instructions will be given closer to date			
10/26/23 Thurs	0900-1200	HF/pulmonary edema; Cardiogenic shock; HTN; Vascular diseases; AAA; VADs	SOP: HF/Pulmonary Edema / VADs HTN differential for dyspnea	Skills & Application: Drugs: NTG; norepinephrine CPAP	M. Gentile
	1200-1300	Lunch			
	1300-1700	CVD and complications cont.			M. Gentile
10/27/23 Friday	0900-1200	Intro to electrophysiology and ECG interpretation		Skills & Application: Lead placement; Measuring rate/ intervals	M. Gentile
	1200-1300	Lunch			
	1300-1700	ECG interpretation cont.			M. Gentile

WEEK #8: (2 Clinical shifts this week)				
Date	Time	Topic		Faculty
10/30/23 Mon	0900-1030	Quiz 6		M. Gentile
	1030-1200	Week 7 Theory into practice: BravoZone; Case Study/Scenario's; Student Centered Activities		M. Gentile
	1200-1300	Lunch		
		Lab 9		
	1300-1700	<u>Stations</u> - Assessment: Respiratory - Assessment: ACS/AMI - Assess: HF/Card shock - VL DAI w/CPAP preox, oximetry, ET suctioning, PPV1, IVP meds; RAAS - SGA (i-gel) PPV preox; suctioning	<u>Goals for SMC Criteria:</u> <u>Via comprehensive Cardiac or Resp. scenarios</u> Comprehensive Phys. Assessment w/ Vital Signs; (6-8) Respiratory, ACS/AMI; HF/Cardiogenic shock <u>Via Comprehensive skill competencies in lab:</u> ET Intubation: 1 Summative Ind. Skill in scenario; (5 of 10) * Supraglottic (i-gel): 1 Summative Ind. Skill in scenario; (5 of 10) * CPAP: 1 Formative Individual Skill in scenario; (4 of 4) PPV with BVM: 1 Summative Ind. Skill in scenario; (7 of 10) * ET Suctioning: 1 Extra Skill	Lab team
Tue 10/31/23; Sat 11/4, or Sun 11/5 Hospital Clinical (#6): Options: ED (Adult) or the OR (Not Sat or Sun)				
11-1-23 Wed	0900-1200	Rhythms/Dysrhythmias originating in the SA node	SOP: Bradycardia with a pulse (adult and peds) <u>Skills & Application</u> Atropine, inopressors, pacing (pain/sedation), glucagon	M. Gentile
	1200-1300	Lunch		
	1300-1700	Rhythm interpretation group work: SA node		Mike & Bill
11/2/23 Thurs	0900-1200	Dysrhythmias originating in the atria	SOP: Narrow QRS Tachycardia (adult and peds) <u>Skills & Application:</u> Vagal maneuvers; adenosine, verapamil; synchronized cardioversion (sedation)	M. Gentile
	1200-1300	Lunch		
	1300-1700	Rhythm interpretation group work: Atrial		Mike & Bill
Fri 11/3/23 i Hospital Clinical (#7): Options: ED (Adult) or the OR (May schedule ED on Sat or Sun as above)				

WEEK #9: (2 clinical shifts this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
11/6/23 Mon	0900-1030	Quiz 7			M. Gentile
	1030-1200	Rhythms originating in the AV Node	SOP: Bradycardia with a pulse (adult and peds)		M. Gentile
	1200-1300	Lunch			
	1300-1700	Rhythm interpretation group work; AV node			Mike & Bill
Tue 11/7/23 Tue; Sat 11/11; or Sun 11/12 Hospital Clinical (#8): ED (Adult) or the OR (Not on Sat or Sun)					
11/8/23 Wed	0900-1200	AV Heart blocks	SOP: Bradycardia with a pulse (adult and peds)		M. Gentile
	1200-1300	Lunch			
	1300-1700	Rhythm interpretation group work: AVBs			Mike & Bill
11/9/23 Thurs	0900-1200	Rhythms/Dysrhythmias originating in the ventricles	SOPs: Adult and peds: Wide complex tachycardia w/ a pulse, VF/ pulseless VT; Asystole/PEA <u>Skills & Application:</u> Defibrillation, epinephrine 1 mg/10 mL, amiodarone		M. Gentile
	1200-1300	Lunch			
	1300-1700	Rhythm interpretation group work: Ventricles			Mike & Bill
Fri 11/10/23 Hospital Clinical (#9): ED (Adult) or the OR (May schedule ED on Sat or Sun as above)					

WEEK #10: (2 clinical shifts this week)				
Date	Time	Topic		Faculty
11/13/23 Mon	0900-1030	Quiz 8		M. Gentile
	1030-1200	Out of hospital cardiac arrest management	Policy: T-1: Triple Zero SOP: Cardiac arrest (adult and peds)	C Mattera
	1200-1300	Lunch		
	1300-1430	OHCA cont.		
	1430-1700	Cardiology theory into practice: BravoZone; dialogue-based instruction; case studies/simulations/scenario's/role play/mind maps static and dynamic cardiology		Mike & Bill
Tue 11/14/23 Hospital Clinical (#10) -: Options: ED (Adult – may also schedule on Sun or Sat) or the OR				
11/15/23 Wed	0900-1200	Lab 10		Lab Team
		Stations: - AMI assessment: ASA, NTG - Atrial dysrhythmia assessment: vagal maneuver, adenosine, verapamil - AVB assessment: w/ and w/o atropine, norepinephrine - Pacing - Cardioversion / Defibrillation	Goals for SMC Matrix Criteria: Via comprehensive Cardiac scenarios Comprehensive Phys. Assessment w/ Vital Signs; (10-12) Cardiac Via Formative Skill and dynamic cardiac scenarios 2 Transcutaneous Pacing: Formative Individual Skill (1 & 2 of 2) 2 Defibrillation: Formative Individual Skill (1 & 2 of 2) 2 Cardioversion: Formative Individual Skill (1 & 2 of 2)	
	1200-1300	Lunch		
	1300-1700	Lab 11		Lab Team
		Stations - Unstable AMI (bradycardia w/ pulse); pacing - VT w/ pulse amiodarone IVPB; cardioversion - OHCA VF: manual CPR, BLS airway, EtCO ₂ , O ₂ , defib; i-gel, IO, epi; amiodarone - OHCA asystole: manual CPR, BLS airways, :EtCO ₂ , epi; ETI, ROSC needing norepinephrine - Lucas: must place with < 5 sec CPR interruption	Goals for SMC Matrix Criteria: Via comprehensive Cardiac or Resp. scenarios Comprehensive Phys. Assessment w/ Vital Signs; (13-15) Via comprehensive dynamic cardiac scenarios 1 Transcutaneous Pacing: 1 Sum. Ind. Skill in scenario; (1 of 2) * 1 Defibrillation: 1 Summative Ind. Skill in scenario; (1 of 2) * 1 Cardioversion: 1 Summative Ind. Skill in scenario; (1 of 2) *) Via team cardiac arrest scenario X 2 Cardiac Arrest: 1 Formative Exposure (2 of 2) * IO Access: 1 Formative; (3 of 4) * Chest Compressions: 2 Formative Ind. Skill; (2 of 2) * Endotracheal Intubation: 1 Formative Ind. Skill in scenario; (Extra) SGA (i-gel): 1 Formative Ind. Skill in scenario; (Extra) PPV with BVM: 1 Formative Ind. Skill in scenario; (Extra) ET Suctioning: 1 Extra Skill	
11/16/23 Thurs	0900-1200	Lab 12		
		Stations - Severe asthma: CPAP, Epi, albuterol/ipratropium, mag - Unstable AMI bradycardia w/ pulse: atropine, norepi - TdP w/ pulse: magnesium IVPB to CPR/defib/ROSC - OHCA VF: manual CPR to Lucas, BLS airway, EtCO ₂ , O ₂ , defib; ETI, IO, epi; amiodarone/ROCS OHCA Asystole; manual CPR,, BLS airway, EtCO ₂ , O ₂ , BIAD, IV, epi; Hs & Ts, TOR	Goals for SMC Matrix Criteria: Via comprehensive Cardiac or Resp. scenarios Comprehensive Phys. Assessment w/ Vital Signs; (of 50) Via comprehensive dynamic cardiac scenarios 1 Transcutaneous Pacing: 1 Sum. Ind. Skill in scenario; (2 of 2) * 1 Defibrillation: 1 Summative Ind. Skill in scenario; (2 of 2) * 1 Cardioversion: 1 Summative Ind. Skill in scenario; (2 of 2) *) Via team cardiac arrest scenario X 2 Cardiac Arrest: 1 Formative Exposure (2 of 2) * IO Access: 1 Formative; (4 of 4) * Chest Compressions: 2 Formative Ind. Skill; (2 of 2) * Endotracheal Intubation: 1 Formative Ind. Skill in scenario; (Extra) Supraglottic (i-gel): 1 Formative Ind. Skill in scenario; (Extra) PPV with BVM: 1 Formative Ind. Skill in scenario; (Extra)	
	1200-1300	Lunch		

WEEK #10: (2 clinical shifts this week)				
Date	Time	Topic		Faculty
		Lab 13		
	1300-1700	Stations: Final prep for Practical Exam (lab buddy peer to peer assessment revolutions): – Cardiac assessment – Respiratory assessment – Dynamic cardiac rhythm interpretation and mgt – TCP, Defib, Cardioversion – OHCA scenario	Goals for SMC Matrix Criteria: <u>Via comprehensive Cardiac or Resp. scenarios</u> Patient Assessment: Review of Physical Assessment Comprehensive Phys. Assessment w/ Vital Signs Cardiac or Respiratory <u>Via comprehensive dynamic cardiac scenarios</u> 1 Transcutaneous Pacing: Review of Ind. Skill in scenario 1 Defibrillation: Review of Ind. Skill in scenario 1 Cardioversion: Review of Ind. Skill in scenario <u>Via comprehensive team cardiac arrest scenario</u> Cardiac Arrest: 1 Summative Skill in scenario (1 of 2) * IO Access: 1 Summative Ind. Skill in scenario (1 of 2) * IV Infusion: 1 Summative Ind. Skill in scenario (1 of 2) * Chest Compressions: 1 Summative Ind. Skill; (1 of 2) * ET Intubation: 1 Summative Ind. Skill in scenario; (7 of 10) * SGA (i-gel): 1 Sum. Ind. Skill in scenario; (7 of 10) * PPV with BVM: 1 Summative Ind. Skill in scenario; (9 of 10) * ET Suctioning: 1 Extra Skill	Lab Team
11/17/23 Fri Hospital Clinical #11: ED (Adult – may also schedule on Sun or Sat) NO OR				

WEEK #11: (2 Clinical shifts this week)				
Date	Time	Topic		Faculty
11/20/23 Mon	0900-1700	EMS 211 Practical Exam	<u>Stations:</u> – Respiratory assessment – Cardiac assessment – Dynamic cardiac scenario: rhythm interpretation & mgt – TCP – Defibrillation, Cardioversion	Lab Team
11/21/23 Tues	0900-1230	Written EXAM EMS 211 + ECG strip exam		M Gentile
	1300-1400	Exam Review		M. Gentile
11/22/23 Wed Hospital Clinical #12: ED (Adult – may also schedule on Sun or Sat) No OR				
11/23/23Thurs Thanksgiving–OFF				
11/24/23 Fri Hospital Clinical #13: ED (Adult – may also schedule on Sun or Sat) No OR				

WEEK #12 (2 Clinical shifts this week)				
Date	Time	Topic - Pre-class prep - Class Activity		Faculty
11/27/23 Mon	0900-1200	12 L ECG	Procedure manual: 12 L ECG	Dr. Jordan
	1200-1300	Lunch		
	1300-1700	12 L ECG cont.		Dr. Jordan
11/28/23 Tue Hospital Clinical #14: ED (Adult – may also schedule on Sun or Sat) or the OR				
11/29/23 Wed	0900-1200	12 L ECG LAB	Goals for: SMC Matrix Criteria: 12-L ECG placement- 2 Formative Ind. Skills (1 & 2 of 2) Skills & Application: 12 L ECG acquisition, transmission, interpretation; Telemetric monitoring devices and transmission of clinical data	M Gentile; Bill T.
	1200-1300	Lunch		
	1300-1700	12 L Lab cont.		Mike & Bill

WEEK #12 (2 Clinical shifts this week)					
Date	Time	Topic - Pre-class prep - Class Activity		Faculty	
11/30/23 Thurs Hospital Clinical #15: ED (Adult – may also schedule on Sun or Sat) or the OR					
12/1/23 Fri	0900-1000	Special Patient Populations: Gynecology Vaginal bleeding, infections, ovarian emergencies, vaginal foreign body, gynecological disorders (dysmenorrhea, mittelschmerz, pelvic inflammatory disease, endometriosis, ruptured ovarian cyst, and toxic shock syndrome)		M. Gentile	
	1000-1200	Special Patient Populations: Geriatrics Epidemiology and demographics of aging, complex interactions between the effects of aging on the body systems and multiple disease processes in elderly patients, pathophysiology of aging on the major body systems of geriatric patients, adapt the phases of patient assessment and diagnostic monitoring technology to guide clinical reasoning for elderly patients, common medical and traumatic emergencies in the elderly population, suspicion of behavioral and psychiatric problems-including risk of suicide, common medications of the geriatric population, toxicological effects, polypharmacy. (*All other assessment, diagnostic, treatment and disposition modifications for geriatric-specific diseases and emergencies are integrated with other sections) Policy: I-3: Invalid Assist SOP: Elderly patients		M. Gentile	
	1200-1300	Lunch			
	1300-1400	Geriatrics cont.		M. Gentile	
	1400-1500	Checks for understanding: 12 L ECGs		M. Gentile	
	1500-1700	Clinical instructions (Peds and OB)		Bill	

Week #13 (2 clinical shifts this week)					
Date	Time	Topic - Pre-class prep	Class Prep/Activity	Faculty	
12/4/23 Mon	0900-1200	Lifespan Development: (Infancy, Toddler and Preschool Age, School Age, Adolescence, Early Adulthood, Middle Adulthood, Late adulthood, Gender Identity) <u>SOPs:</u> Ped's IMC	<u>Skills & Application:</u> Peds airways access Peds vascular access Peds fluid/drug calculation Peds cardiac arrest mgt	C. Mattera	
		Special Patient Populations: Pediatrics Role of EMS practitioners in pediatric care, general approach to pediatric emergencies, growth and development, anatomy and physiology, general approach to pediatric assessment, general management of pediatric patients (*All other assessment, diagnostic, treatment and disposition modifications for pediatric-specific diseases and emergencies are integrated with other sections)			
	1200-1300	Lunch			
	1300-1700	Peds cont. including all peds pain management options			C. Mattera
12/5/23 Tue Hospital Clinical #16: ED (Adult or peds – may also schedule on Sat or Sun); OR; OB					
12/6/23 Wed	0900-1200	Special Patient Populations: Obstetrics SOPs: Entire OB section; Newborn care; Newborn resuscitation Policy: A-5: Relinquished Newborn	<u>Skills & Application:</u> Uncomplicated and complicated deliveries; Newborn resuscitation	J. Dyer	
		Normal delivery; Vaginal bleeding in the pregnant patient; Normal pregnancy (anatomy and physiology); Pathophysiology of complications of pregnancy; Assessment of the pregnant patient; Abnormal delivery (nuchal cord, prolapsed cord, breech, shoulder dystocia, prematurity, multi-parity); Third trimester and antepartum bleeding (placenta previa, placental abruption); Spontaneous abortion/miscarriage; Ectopic pregnancy; Preeclampsia/eclampsia; Postpartum complications; High risk pregnancy; Complications of labor (fetal distress, premature rupture of membranes, uterine rupture); Hyperemesis gravidarum; Postpartum depression Special Patient Populations: Neonatal Care Newborn stabilization; Neonatal resuscitation; Anatomy and physiology of neonatal circulation			

Week #13 (2 clinical shifts this week)					
Date	Time	Topic - Pre-class prep		Class Prep/Activity	Faculty
	1200-1300	Lunch			
	1300-1700	Obstetrics and Neonatal Care cont'd.			J. Dyer
12/7/23 Thurs	0900-1200	Psychiatric or Behavioral Health Emergencies	SOP: Behavioral health emergencies; Post-Taser <u>Policy:</u> E-1 Emotional illness	<u>Skills & Application:</u> Decisional capacity asses. De-escalation sedation & monitoring Restraints Post Taser Procedure Suicide Screening Tool	M. Gentile
		Basic principles of the mental health system; Patterns of violence, abuse, and Neglect; Acute psychosis; Suicide ideation; Excited delirium; Anxiety; Depression; Medical fear; Substance use disorder/addictive behavior; PTSD; Acute psychosis; Cognitive disorders; Thought disorders; Mood disorders; Neurotic disorders; Somatoform disorders; Factitious disorders; Personality disorders; Other psychiatric/behavior disorders to be determined locally			
	1200-1300	Lunch			
	1300-1700	Behavioral health emergencies cont.			M. Gentile
12/8/23 Fri Hospital Clinical #17: ED (Adult or peds – may also schedule on Sat or Sun); OR;OB; PSYCH					

WEEK #14 (2 Clinical shifts this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
12/11/23 Mon	0900-1015	Quiz 9 (covering inter-semester content: OB, peds, behavioral emerg, elderly)			
	1030-1200	BHE, Peds & OB theory into practice: BravoZone; Case Study/Scenario's; Cooperative learning, student centered learning strategies			M. Gentile
	1200-1300	Lunch			
	1300-1700	Theory into practice exercises cont.			
12/12/23 Tue Hospital Clinical #18: ED (Adult or peds – may also schedule on Sat or Sun); OR; OB; PSYCH					
12/13/23 Wed	0900-1200	LAB 14			Lab team
		<u>Stations</u> – Pediatric assess: Asthma – Pediatric cardiac arrest: SGA: suctioning; BLS airways, PPV w/ BVM; oximetry ; Pediatric IV/IOO – Assessing decisional capacity and risk; restraint application (adult) – Uncomplicated delivery – Complicated delivery	<u>Goals for: SMC Matrix Criteria:</u> <u>Via comprehensive Pediatric/Medical scenarios</u> Comprehensive Physical Assessment w/ Vital Signs; (18) Peds SGA (i-gel): 1 Formative Ind. Skill in scenario PPV with BVM: 1 Formative Ind. Skill in scenario Suctioning: 1 Extra Skill Peds IV/IO Restraint Appl.: 1 Formative Ind. Skill in scenario (1 of 1) OB Delivery w/ normal newborn care: 1 Form. Ind. Skill in scenario (1 of 2) * Complicated Delivery: 1 Form, Ind. Skill in scenario (1 of 2)		
	1200-1300	Lunch			
	1300-1630	Introduction to ImageTrend and data entry practice: Bring electronic devices to class (Will be needed for case studies and ImageTrend Reports)			J Klein
	1630-1700	Assign Infectious disease project, explanation of presentation and paper requirements			M. Gentile
12/14/23 Thurs	0900-1200	LAB 15			Lab Team
		<u>Stations:</u> – Pediatric assess: Sepsis – Pediatric assess: Croup/RSV – Physical Restraint Competency – Uncomplicated delivery – Complicated delivery	<u>Goals for: SMC Matrix Criteria:</u> <u>Via comprehensive Pediatric/Medical scenarios</u> Pt Assess peds w/ VS X 2 Restraint Appl.: 1 Summative. Skill in scenario (1 of 1) OB Delivery w/ normal newborn care: 1 Form. Ind. Skill in scenario (2 of 2) * Comp. Delivery: 1 Formative Ind. Skill in scenario (2 of 2) * Distressed Neonate: 1 Formative Ind. Skill in scenario) *		

WEEK #14 (2 Clinical shifts this week)					
Date	Time	Topic	Pre-class prep	Class Activity	Faculty
	1200-1300	Lunch			
	1300-1700	LAB 16			
	<u>Stations</u> – Pediatric Cardiac arrest – Peds: Kawasaki scenario – Peds airway obstruction – BHE: Violent patient – BHE: Suicidal pt (elderly)	<u>Goals for: SMC Matrix Criteria:</u> <u>Via comprehensive Pediatric/Medical scenarios</u> Comprehensive Phys. Assessment w/ Vital Signs; (5) Pediatric w/ pediatric airway Distressed Neonatal: 1 Formative Ind. Skill in scenario (1 of 2) <u>Via comprehensive team peds cardiac arrest scenario</u> Peds Cardiac Arrest: 1 Formative Exposure Extra (2 of 2) IO Access: 1 Formative Extra; (1 of *) Chest Compressions: 1 Formative Ind. Skill Extra; (1 of 1) FBAO Remo. w/ Magill Forceps: 1 Sum. Ind. Skill in lab (2 of 2) SGA –(i-gel): 2 Sum. Ind. Skill in scenario; (8 & 9 of 10) * PPV with BVM: 1 Summative Ind. Skill in scenario; (10 of 10) * Suctioning: 1 Extra Skill (8 of 9)			Lab Team
12/15/23 Fri	Hospital Clinical #19: ED (Adult or peds – may also schedule on Sat or Sun); OR; OB; PSYCH				
End of EMS 211 and 217					

EMS Fall semester (EMS 210, 211, 217) MUST BE DONE on 12/15/23

ENJOY your WINTER BREAK! December 16, 2023 - January 14, 2024

Students PLEASE NOTE:

- **PAYMENT for Spring and Summer semesters MUST BE MADE WITH HARPER College on time TO AVOID an AUTOMATED WITHDRAWAL**
- You will be batch registered by Harper College for the following and receive notice of payment due:
 - **Spring semester 2024 (January 15 - May 17):** EMS 212, 213, 215 (Field internship), 218 (Hospital Clinical)
 - **Summer semester 2024 (May 23 – July 1, 2024):** EMS 216 (Seminar hours and summative final exam testing)
- Students who have successfully completed the fall semester will be tentatively assigned to a host EMS agency for EMS 215 pending approval from the agency. After receiving your agency assignment via email, contact their Provider EMS Coordinator (listed in the System Directory) and schedule a meeting with the purpose of determining if placement with them is a good match.
- **DUE DATE FOR MEETING: January 29, 2024.**

WEEK #15: (1 Clinical shift this week) Spring Semester begins				
Date	Time	Topic	Preclass prep – class activity	Faculty
1/15/24 Mon	Student assignment: Infectious disease written report due			
	0900-1200	Environmental emergencies (Bites and envenomations)		M. Gentile
	1200-1300	Lunch		
	1300-1700	Immune system ; body defense against disease; Allergies & Anaphylaxis (adults & peds); systemic inflammatory response syndrome (SIRS), hypersensitivity, anaphylactoid reactions, collagen vascular disease, transplant-related problems, immunodeficiency syndromes (acquired or congenital)	SOP: (adult & peds) Allergic Reactions/ Anaphylactic Shock Skills & Application: Drugs (adult & peds doses): diphenhydramine, epi 1 mg/1 mL and 1 mg/10 mL; albuterol, ipratropium	M. Gentile
1/16/24 Tue EMS 218 : Hospital Clinical #20: ED (Adult or peds – may also schedule on Sat or Sun): OR, OB, Psych				
1/17/24 Wed	0900-1200	Environmental emerg: Temperature-related illness: adult & peds	SOPs: Heat Emergencies Cold Emergencies	M. Gentile
	1200-1300	Lunch		
	1300-1700	LAB 17		
		<u>Stations</u> – Assess/Rx: Mod allergic reaction – Assess/Rx: Anaphylaxis from envenomation – Assess/Rx Heat illness – Assess/Rx: Cold injury; rewarming – Cardiac arrest (peds/adult); 12 L ECG	<u>Goals for: SMC Matrix Criteria:</u> <u>Via comprehensive Pediatric/Medical scenarios</u> Comp. Phys. Assessment w/ VS; (X4) Cardiac arrest mgt (all skills) 12 L ECG	Lab Team
1/18/24 Thurs	0900-1200	Water & altitude-emerg	SOP: Submersion/Drowning SCUBA High Altitude (adult & peds)	M. Gentile
	1200-1300	Lunch		
	1300-1700	LAB 18		
		<u>Stations</u> – Assess/Rx: Drowning – Assess/Rx: the Bends/ transport to HBO – Cardiac arrest mgt – Assess/Rx: Pre-eclampsia-eclampsia – 12 L ECG interpretation	<u>Goals for: SMC Matrix Criteria:</u> <u>Via comprehensive Pediatric/Medical scenarios</u> Comp. Phys. Assessment w/ VS; (X4) Cardiac arrest mgt (all skills) 12 L ECG interpretation IV drug admin (Cardiac arrest//Magnesium)	Lab Team
1/19/24 Fri	0900-1200	Infectious disease presentations Assessment & mgt of a pt who may have an infectious dx;; decontamination of surfaces and vehicles; antibiotic resistance; for list of diseases see class handout; significant exposures and use of DICOs	Student assignment: 10 min oral presentations based on supplied criteria Skills Application: I-2 Infection Control; sign. exposures DICOs	Class led
	1200-1300	Lunch		
	1300-1500	Infectious disease presentations cont.		Class led
	1500-1700	Sepsis and Septic Shock (adult & peds)	SOP: Sepsis/septic shock	M. Gentile

WEEK #16: (1 Clinical shift this week)				
Date	Time	Topic	Preclass prep-class activity	Faculty
1/22/24 Mon	0900-1030	Quiz 10		M. Gentile
	1030-1200	Endocrine disorders: A&P endocrine glands; adrenal diseases, pituitary and thyroid disorders, inborn errors of metabolism		M. Gentile
	1200-1300	Lunch		

WEEK #16: (1 Clinical shift this week)				
Date	Time	Topic	Preclass prep-class activity	Faculty
	1300-1700	Diabetes types 1 & 2 (adult & peds): etiology, pathophysiology, Rx of hypoglycemia; hyperglycemia, DKA, HHNS; insulin administration, artificial pancreas, disease complications	SOP (adult and peds): Glucose/Diabetes Emergencies <u>Skills & Application</u> Capillary glucose assess Glucagon, D10% IVPB	M. Gentile
1/23/24 Tues	0900-1200	Neuro A&P		C. Mattera
	1200-1300	Lunch		
	1300-1700	Neuro A&P cont. Neuro assessment	<u>Skills & Application:</u> Neurological Assessment	C. Mattera
1/24/24 Wed	0900-1200	Medical neuro disorders (adult & peds): AMS, seizures, dementia vs. delirium, Alzheimer's disease, headaches, Parkinson's disease, Amyotrophic lateral sclerosis (ALS); Guillain-Barré Syndrome; multiple sclerosis, myasthenia gravis and others defined in handout	SOP: Seizures (adult & peds) AMS (adult & peds)	M. Gentile
	1200-1300	Lunch		
	1300-1700	Stroke, TIA	SOP: Stroke <u>Skills & Application:</u> Stroke assess/mgt	C. Mattera
1/25/24 Thurs	0900-1200	Abdominal and Gastrointestinal Disorders (adult & peds): Acute and chronic GI hemorrhage, GERD, bowel obstruction, liver and biliary tract disorders, pancreatitis, diverticulitis, cholecystitis, gallstones, appendicitis, irritable bowel syndrome, others as defined in the student handout.	SOP: Acute Abd./Flank pain <u>Skills & Application</u> Abdominal assessment	Dr. O
	1200-1300	Lunch		
	1300-1430	Abdominal and GI cont.		Dr. O
	1445-1700	Genitourinary/Renal (adult & peds): Chronic kidney disease, acute & chronic renal failure, complications of dialysis, complications related to urinary catheters, renal calculi, sexual assault (female and male), GU infections, male genital conditions, others defined in the handout.	SOP: Dialysis/CKD Renal assessment	Dr. O
1/26 or 1/27 Fri / Sat EMS 218 : Hospital Clinical(#21): ED, OR (not Sun or Sat), OB, PEDS; Psych				

WEEK #17				
Date	Time	Topic		Faculty
1/29/24 Mon	0900-1040	Quiz 11		M. Gentile
	1040-1200	Hematology: Sickle cell disease, coagulopathies, blood transfusion complications, hemostatic disorders, RBC & WBC disorders, others as defined in the handout	<u>Skills & Application</u> Inf. Blood/blood products	M. Gentile
	1200-1300	Lunch		
	1300-1700	Toxicology (adult & peds): Carbon monoxide poisoning, nerve agent poisoning, opioid toxicity, how and when to contact a poison control center, poisons (inhaled, ingested, injected, absorbed), alcohol intoxication and withdrawal, toxidromes (cholinergic, anticholinergic, sympathomimetic, sedative/hypnotics, opioid, corrosive, knockdown), chronic or maintenance medications, drugs of abuse, non-FDA approved medications and supplements, Serotonin Syndrome, malignant hyperthermia, others as defined in the handout	<u>SOPs:</u> Alcohol intoxication/withdrawal Drug OD/Poisoning (adult & peds)	<u>Skills & Application</u> Mgt for toxidromes M. Gentile

WEEK #17			
Date	Time	Topic	Faculty
1/30/24 Tue	0900-1200	Theory into practice application covering all of 212 content	M. Gentile
	1200-1300	Lunch	
	1300-1700	<div> <div> LAB 19 </div> <div> Stations Comp lab scenarios: Pediatric/OB/Medical Pathologies scenarios X 4 Individual skill scenarios: OB delivery w/ normal newborn care X 1 Complicated OB delivery X 1 Distressed Neonate X 1 </div> <div> Goals for: SMC Matrix Criteria: <u>Via comprehensive Pediatric/Medical scenarios</u> Patient Assessment: 4 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (30 - 33 of 50) OD, Neuro, Sepsis, OB/Gyn <u>Via comprehensive lab scenario:</u> OB Delivery w/ NNC: 1 Sum. Ind. Skill in scenario (1 of 2) * Complicated OB Delivery: 1 Sum. Ind. Skill in scenario (1 of 2) * w/ Distressed Neonate: 1 Summative Ind. Skill in scenario (1 of 2) * </div> </div>	Lab team
1/31/24 Wed	0900-1000	Peds drug calculation (math test)	M. Gentile
	1000-1200	Clinical Q&A & portfolio progress	Bill T.
	1200-1300	Lunch	
	1300-1700	<div> <div> LAB 20 </div> <div> Stations: Final prep for Practical Exam: Pediatric/Medical Pathologies scenarios, Peds Airway Access/Intubation, 12 Lead ECG Competency: OB Delivery: Normal and Complicated, Distressed Neonate, Team Pediatric Cardiac Arrest mgt </div> <div> Goals for: SMC Matrix Criteria: <u>Via comprehensive Pediatric/Medical scenarios</u> Patient Assessment: 4 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (34 - 37 of 50) Pediatric, Neuro, Sepsis, OB/Gyn <u>Via comprehensive lab scenario:</u> OB Delivery w/ normal newborn care: 1 Sum. Ind. Skill in scenario (2 of 2) Complicated OB Delivery: 1 Summative Ind. Skill in scenario (2 of 2) w/ Distressed Neonate: 1 Summative Ind. Skill in scenario (2 of 2) <u>Via comprehensive team cardiac arrest scenario</u> Cardiac Arrest: 1 Summative Skill in scenario (2 of 2) * IO Access: 1 Summative Ind. Skill in scenario (2 of 2) * IV Infusion: 1 Summative Ind. Skill in scenario (2 of 2) * Chest Compressions: 1 Summative Ind. Skill; (2 of 2) * Endotracheal Intubation: 1 Summative Ind. Skill in scenario; (10 of 10) * Supraglottic (i-gel): 1 Summative Ind. Skill in scenario; (10 of 10) * PPV with BVM: 1 Summative Ind. Skill in scenario; (11 of 10) * ET Suctioning: 1 Extra Skill (9 of 9) </div> </div>	Lab Team
2/1/24 Thurs	0900-1300	<div> <div> EMS 212 Practical Exam </div> <div> Station: Pediatric/Medical scenarios, Peds Airway Access/Intubation, 12 Lead ECG </div> </div>	M. Gentile Lab Team
2/2/24 Fri	0900-1200	Mod III (EMS 212) Written Exam and ECG Strip Test	M. Gentile
	1200-1300	Exam Review (LC 3 & 4)	

WEEK #18 (EMS 213) (1 Clinical shift this week)			
Date	Time	Topic	Faculty
2/5/24 Mon	0900-1200	Kinematics of trauma: Mechanism of injury, kinetics of impact, biomechanics of trauma, blunt trauma, penetrating trauma, kinetics of penetrating trauma, penetrating injuries to specific tissues and organs, special concerns with penetrating trauma	M. Gentile
	1200-1300	Lunch	

WEEK #18 (EMS 213) (1 Clinical shift this week)				
Date	Time	Topic		Faculty
	1300-1700	Bleeding: Hypovolemic shock, fluid resuscitation (adult & peds) Soft Tissue Trauma: Wounds, avulsion, laceration, puncture, incision	SOP: Shock <u>Skills & Application:</u> Hemorrhage control Fluid resuscitation	M. Gentile
2/6/24 Tue EMS 218 : Hospital Clinical #22 Options: ED, OR; OB, PEDS, PSYCH)				
2/7/24 Wed	0900-1200	Trauma Overview (adults & peds): Trauma scoring, Transport and destination issues, Transport mode Special considerations in trauma: pregnant patient, pediatric patient, geriatric patient, cognitively impaired patient	SOP: ITC (adult & peds) Trauma Triage, Transport criteria, Traumatic arrest Policy: A-2, Aeromedical Transport <u>Skills & Application:</u> Trauma Assessment/mgt	C. Mattera
	1200-1300	Lunch		
	1300-1700	Trauma (Head, Neck) adult and peds: Life threats, penetrating neck trauma, laryngotracheal injuries, shaken baby syndrome, skull fractures	SOP: Head trauma / TBI	C. Mattera
2/8/24 Thurs	0900-1200	Eye Emergencies: Disorders of the eye (<i>common or major diseases of the eye</i>); Eye trauma (<i>foreign bodies in the eyes, globe rupture</i>)	SOP: Eye emergencies <u>Skills & Application</u> Ocular assessment Contact lens removal Eye irrigation; protective shields; eye patching	Bill T.
	1200-1300	Lunch		
	1300-1700	Trauma (Spine) adult and peds: Spine trauma	SOP: Spine trauma <u>Assumed knowledge:</u> Atropine; norepi/dopamine <u>Skills & Application:</u> Spine motion restriction; Protective equip removal	C. Mattera
2/9/24 Fri	0900-1200	Chest trauma (adult & peds): Blunt versus penetrating mechanisms, Open chest wound, Impaled object, Blunt versus penetrating, hemothorax, pneumothorax, Cardiac tamponade, Rib fractures, Flail chest, Commotio cordis, Traumatic aortic disruption, Pulmonary contusion, Blunt cardiac injury, Traumatic asphyxia, Tracheobronchial disruption, Diaphragmatic rupture	SOP: Chest Trauma <u>Skills & Application:</u> Pleural decompression; chest seals; chest tube (monitoring/mgt)	M. Gentile
	1200-1300	Lunch		
	1300-1700	Week 18 Review: BravoZone; Case Study/Scenario's; Student Centered Activities		M. Gentile

WEEK #19 (1 Clinical shift this week)				
Date	Time	Topic		Faculty
2/12/24 Mon	0900-1030	Quiz 12		M. Gentile
	1030-1200	Abdominal & Genitourinary Trauma (Adult and Peds): Blunt versus penetrating mechanisms, Evisceration, Impaled objects, Solid and hollow organ injuries, Injuries to the internal or external genitalia, Vascular injury, Retroperitoneal injuries		Dr. O
	1200-1300	Lunch		
	1300-1500	Abdominal and GU trauma cont.		Dr. O
	1500-1700	Special Patient Populations (Patients with Special Challenges): Hospice/terminally ill	<u>SOPs:</u> Withholding/withdrawing Resuscitation/POLST form <u>Policies:</u> D5 POLST/DNR; M-4 Med Examiner Guidelines	M. Gentile
2/13/24 Tue EMS 218 : Hospital Clinical (#23) Options: ED, OR (not Sun or Sat), OB; Peds; Psych				

WEEK #19 (1 Clinical shift this week)					
Date	Time	Topic			Faculty
2/14/24 Wed	0900-1200	Soft Tissue Trauma (Burns-Thermal) adult & peds	SOPs: Burn assessment/ITC Thermal Burn Center Transport	<u>Skills & Application:</u> Burn wound management	C. Mattera
	1200-1300	Lunch			
	1300-1700	Burns cont'd: (electrical, chemical, inhalation, radiation), Chemicals in the eye and on the skin, High-pressure injection injury	SOPs: Burns inhalation (CO/cyanide) Blast Electrical Chemical		M. Gentile
2/15/24 Thurs	0900-1100	Trauma (Facial) adult and peds: Facial fractures, dental trauma, severe epistaxis, unstable facial fractures, orbital fractures, perforated tympanic membrane, mandibular fractures			C. Mattera
	1100-1200	Special Patient Populations (Patients with Special Challenges)		SOP: Extremely obese pt.; Special Healthcare Needs	M. Gentile
		Homelessness, Poverty, Bariatrics, Homecare, Sensory deficit/loss, Developmental disability, Autism Spectrum Disorder, Orthotics/prosthetics			
	1200-1300	Lunch			
	1300-1700	Special Patient Populations (Patients with Special Challenges)	<u>Policies:</u> V-2 Violence/abuse V-3: Elder Abuse V-4: Domestic Violence	SOP: Adult: Abuse Neglect Maltreatment Trafficking Peds: Suspected Child Abuse/Neglect	J. Dyer
		Recognizing and reporting abuse and neglect, abuse/intimate partner violence, neglect, child maltreatment			
2/16/24 Fri	0900-1200	Orthopedic Trauma (adult and peds): Open fractures, Closed fractures, Dislocations, Amputations/replantation, Upper and lower extremity orthopedic trauma, Sprains/strains, Pelvic fracture, Tendon laceration/transection/rupture (Achilles and patellar)		SOP: Musculoskeletal trauma Assumed knowledge: pain drugs <u>Skills & Application</u> All splinting/bandaging procedures	M. Gentile
	1200-1300	Lunch			
	1300-1700	LAB 21			
<u>Stations:</u> Comp lab scenarios: Trauma scenarios X 4 Individual skill scenarios: Pleural decompression X 1 Inline ETI X 1		<u>Goals for: SMC Matrix Criteria:</u> <u>Via comprehensive Pediatric/Medical scenarios</u> Patient Assessment: 4 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (35 - 38 of 50) Trauma <u>Via individual skill</u> Pleural decompression: 1 Formative Skill in scenario (1 of 2) * In-line ETI: 1 Formative Skill in lab (1 of 2) Apply a tourniquet Apply a cervical collar Dress and bandage soft tissue injury Apply occlusive dressing			Lab team

WEEK #20 (2 Clinical shifts this week)			
Date	Time	Topic	Faculty
	0900-1030	Quiz 13	M. Gentile

WEEK #20 (2 Clinical shifts this week)					
Date	Time	Topic			Faculty
2/19/24 Mon	1030-1200	EMS Operations	SOP: Multiple patient incidents Active Assailant Incidents Policy: C-3: Crisis Response E-6: Episodic Mass Gathering	Skills Application: Use of START and Jump-Start triage Secondary triage Use of SMART tags	B. Stennett
		Incident Management: Establish and work within the incident management system, Understand the principles of Crew Resource Management Mass Casualty Incidents: Operational goals, Field triage, Destination determination, Treatment principles Mass Casualty Incidents Due to Terrorism and Disaster: Risks and responsibilities of operating on the scene of a natural or man-made disaster			
	1200-1300	Lunch			
	1300-1700	MCI Continued			B. Stennett
2/20/24 Tue	0900-1200	Week 19 Review: BravoZone; Case Study/Scenario's; Student Centered Activities			M. Gentile
	1200-1300	Lunch			
		LAB 22			
	1300-1700	Stations: Comp lab scenarios: Trauma scenarios X 2 Individual skill scenarios: Hemorrhage control X 1 Pleural decompression X 1 SMR X 2 Joint and Long Bone splint X 1 Traction Splint X 1 Multiple skills/equipment review-individual skills & in scenario	Goals for: SMC Matrix Criteria: Via comprehensive Pediatric/Medical scenarios Patient Assessment: 2 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (39 - 40 of 50) Trauma Via individual skill Hemorrhage control 1 Formative Skill in scenario (1 of 1) Pleural decompression: 1 Formative Skill in scenario (2 of 2) * SMR Adult Supine 1 Formative Skill in scenario (1 of 1) SMR Adult Seated 1 Formative Skill in scenario (1 of 1) Joint splinting 1 Formative Skill in scenario (1 of 1) Long bone splinting 1 Formative Skill in scenario (1 of 1) Traction splint 1 Formative Skill in scenario (1 of 1)		Lab team
2/21/24 Wed	0900-1200	Special Patient Populations (Patients with Special Challenges): Tracheostomy care/dysfunction, ventilators	SOP: Pt w/Tracheostomy/laryngectomy	Skills & Application: Tracheostomy suctioning Exchange of trach tubes Bag to stoma ventilations	M. Gentile
	1200-1300	Lunch			
		LAB 23			
	1300-1700	Stations: Comp lab scenarios: Trauma scenarios X 4 Multiple skills/equipment review-individual skills & in scenario	Goals for: SMC Matrix Criteria: Patient Assessment: 4 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (41 - 44 of 50) Trauma Via comprehensive lab scenario: In-line ETI: 1 Formative Skill in lab (2 of 2)		Lab Team
2/22/24 Thurs		Hospital clinical: ED, OR (not Sun or Sat), OB; Peds; Psych (#24)			
2/23 or 2/24 Fri/Sat		Hospital clinical: ED, OR (not Sun or Sat), OB; Peds; Psych (#25)			

WEEK #21						
Date	Time	Topic			Faculty	
2/26/24 Mon	0900-1200	Special Patient Populations (Patients with Special Challenges)	<u>Procedure Manual</u> Monitoring NG tubes, indwelling urinary catheter; developmental disabilities	<u>Skills & Application:</u> NG and OG tubes Indwelling urinary catheters G or J tubes Central vein catheters Cerebral shunts	M. Gentile	
		Technology dependent (vagal nerve stimulators, CSF diversion devices or shunts, VAD, pacemakers, gastric tubes, and others to be locally determined)				
	1200-1300	Lunch				
	1300-1700	LAB 24				
Stations: Comprehensive lab scenarios: Trauma scenarios X 4 MPI Multiple skills/equipment review-individual skills & in scenario		Goals for: SMC Matrix Criteria: Patient Assessment: 4 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (45 - 48 of 50) Trauma Multiple Person Incident <u>Via comprehensive lab scenario:</u> In-line ETI: 1 Formative Skill in lab (1 of 1) Pleural decomp.: 1 Summative Skill in scenario (1 of 2) *			Lab Team	
2/27/24 Tue	0900-1200	EMS Operations	Policy: L-2: Safe Ambulance Operation	<u>Skills Application:</u> Emergency moves	M. Gentile	
		Emergency Response Vehicles: Risks and responsibilities of emergency response radio communications, Risks and responsibilities of operating emergency vehicles, Pediatric transport considerations, Risks and responsibilities of transport Air Medical: Safe air medical operations, Criteria for utilizing air medical response, Medical risks/needs/advantages Rescue Operations: Safety principles of rescue operations				
	1200-1300	Lunch				
	1300-1700	Ops cont'd; mod exam review				
2-28-24 Wed	0900-1200	EMS Operations (Hazardous Materials): Risks and responsibilities of operating on the scene of a hazardous materials incident	SOP: Haz Mat Incidents Chemical agents Widespread disease outbreak Weapons of Mass Destruction	<u>Skills Application:</u> Chem pack requests Duo-Dote kits Gun Safety	S. Pierson	
	1200-1300	Lunch				
	1300-1700	LAB 25				
		Stations: Final prep for Practical Exam: Comp lab scenarios: Scenarios x 2 (Trauma and Medical) Competency: Trauma Skills: Pleural Needle Decompression, Splinting, SMR (supine/sitting)	Goals for: SMC Matrix Criteria: Patient Assessment: 2 Comprehensive Physical Assessment Comp. Phys. Assessment w/ Vital Signs; (49 - 50 of 50) Trauma and Medical <u>Via comprehensive lab scenario:</u> Pleural decomp.: 1 Summative Skill in scenario (2 of 2) * <u>Via individual skill</u> Hemorrhage control: 1 Competency of Skill (1 of 1) SMR Adult Supine: 1 Competency of Skill (1 of 1) SMR Adult Seated: 1 Competency of Skill (1 of 1) Joint splinting: 1 Competency of Skill (1 of 1) Long bone splinting: 1 Competency of Skill (1 of 1) Traction splint: 1 Competency of Skill (1 of 1)			Lab Team
2/29/24 Thurs	0900-1500	EMS 213 Practical Exam		Stations: <u>Medical and Trauma Assessment Scenarios</u>	Lab Team	
3/1/24 Fri	0900-1200	Mod IV (EMS 213) Written Exam & ECG Strip Test (Auditorium)				M. Gentile
	1200-1300	Lunch				

WEEK #21			
Date	Time	Topic	Faculty
	1300-1330	Exam Review (LC 3/4)	M. Gentile
	1330-1530	Orientation to field internship (EMS 215)	Policy: P-1: Preceptor M. Gentile
	1530-1700	Orientation to Platinum for the field internship	Bill

Prerequisites for release to start the Field Internship (EMS 215):

- Successful completion of EMS 213
- Outstanding clinical units for EMS 218 scheduled and approved by Bill T.
- All outstanding patient care contacts and skill revolutions required prior to onset of Field Internship done and entered into Platinum by student and approved by Bill T.
- All class-required simulated runs completed by student, submitted to and approved by NCH staff
- Eligible preceptor(s) identified by agency, approved by hospital educator, & paperwork submitted to M. Gentile
- Agency agreement to host students signed by authorized administrator and submitted to C. Mattera
- Hold harmless statement signed by student and forwarded to agency

There are live patient care contacts and skill revolutions that must be completed during the field experiences. If a student is not meeting these requirements by the middle of phase II, notify Bill so you can be scheduled for additional hospital clinical shifts. The specific numbers of each to be done prior to and during EMS 215 will be given to students.

EMS 215 Field Experience			
Weeks: 22-33 March 2- May 17, 2024	On shift with preceptors (agency-specific hours)	IF ALL PREREQUISITES ARE MET – Eligible to start EMS 215 on March 2, 2024 Approval to start will be sent by e-mail to student; PEMSC, and hospital educator directing internship. Process & paperwork are very specific and policies require full compliance for successful completion.	Assigned Provider Agency
EMS 215 and 218 ends (5-17-2024) – See student handbook re: extensions			

*Summer semester begins; EMS 216: Seminar Hours and Finals (Wks 34-38)			
May: Thurs-23; Fri-24; Tue-28; Wed-29; Thurs-30; Fri-31 June: Mon-3, Tue-4	0900 - 1700	Agenda for EMS 216 will be issued in late April.	M. Gentile
Wed 6/5/24	0900 – 1700	Final Practical exam: *Students are assigned in shifts; list will be given in class	M. Gentile & lab team
Thurs 6/6/24	0900 - 1300	Final Written exam & ECG strip test (Auditorium) Exam debrief; instructions for taking the NREMT exam, evaluations, and graduation	M. Gentile
Fri 6/7; Mon 6/10; or Tue 6/11	10 min appointments	Student summative evaluations	M. Gentile
Wed 6/12/24	1900-2030	Graduation! (Auditorium)	Auditorium
Fri 6/14/24	0815 for group 1 1115 for group 2	NREMT Practical Exam Learning Center	NREMT: Lindi Holt