

**Northwest Community EMS System**  
**EMERGENCY COMMUNICATIONS REGISTERED NURSE (ECRN) COURSE**  
**April 1 – May 20, 2013**

Date	Time	Topic
<b>PRECOURSE – Optional attendance based on pretest scores and/or hospital prerogative</b>		
<b>April 1, 2013</b>	9:00 – 9:30 am 9:30 – 12:00 pm 12:00 - 1:00 pm 1:00 - 2:00 pm 2:00 – 5:00 pm	Introduction/Welcome! Respiratory A&P Lunch Respiratory A&P cont. Capnography - <b>Diana?</b>
<b>April 2, 2013</b>	9:00 - 12:00pm 12:00 - 1:00 pm 1:00 - 5:00 pm	Fluids & electrolytes– <b>V. Logan?</b> Lunch Cardiac A&P
<b>April 8, 2013</b>	9:00 - 10: 30 am 10:30 – 12:00 pm 12:00 - 1:00 pm 1:00 – 5:00 pm	Quiz 1 Pathophysiology of Shock Lunch Neuro A&P; Neuro Assessment
<b>April 9, 2013</b>	9:00 - 12:00 pm 12:00 - 1:00 pm 1:00 - 5:00 pm	Electrophysiology & ECG interpretation – <b>Georgene?</b> Lunch 12 L ECG and STEMI alerts - <b>Diana?</b>
<b>COURSE</b>		
<b>April 15, 2013</b>	9:00 – 10:00 am 10:00 am -12:00 pm  12:00 - 1:00 pm 1:00 - 5:00 pm	Quiz 2 EMS Systems: Structure/Standards SOPs; Policy manual; Procedure manual, Code of Ethics Role expectation of an ECRN Lunch EMS Systems cont.: Communications/Documentation Policies: EMS Communications; Documentation of EMS Communications Log ECRN Physician Back-up Confidentiality of Patient Records/HIPAA Procedure for Handling Overrides Abandonment vs. Prudent Use of EMS Personnel Aeromedical transport; Bypass; Crisis Response Refusals; Physician/Nurse On-Scene
<b>April 16, 2013</b>	9:00 - 12:00 pm   12:00 - 1:00 pm 1:00 - 5:00 pm	SOP Intro: General Patient Assessment/Initial Medical Care Drugs: ondansetron; fentanyl Policies: Initiation of ALS vs. BLS Care Selection of Receiving Hospital Withholding or Withdrawing Resuscitative Efforts; DNR; Triple Zero Medical Examiner/Coroner Guidelines Bariatric patients Elderly patients Lunch EMS Airway access procedures: Suction; Oral/nasal airways; intubation options ; alternative airway (King) Drugs: benzocaine spray; lidocaine, midazolam, etomidate Cricothyrotomy options Oxygen delivery devices: NC, NRM, C-PAP Care of patients with tracheotomies Vascular access (IV/IO)and fluid administration options; use of MAD device

Date	Time	Topic
<b>April 22, 2013</b>	<p>9:00 - 10:30 am</p> <p>10:30-12:00 pm</p> <p>12:00 - 1:00 pm</p> <p>1:00 - 2:30 pm</p> <p>2:45 – 5:00 pm</p>	<p>Acute and chronic respiratory disorders - pathophysiology SOPs: Airway obstruction Allergic reaction / Anaphylactic shock Asthma/COPD with respiratory distress Drugs: diphenhydramine; albuterol, ipratropium, epinephrine 1:1000; 1:10,000, magnesium sulfate</p> <p>Acute Coronary Syndromes – Pathophysiology Drugs: NTG, ASA, dopamine SOPs: Cardiac ischemia; HF/PE/Cardiogenic shock</p> <p>Lunch</p> <p>Bradycardia with a pulse: SV/AVB/IVR Drugs: atropine, glucagon Procedure: Transcutaneous pacing</p> <p>Supraventricular Tachycardia: Narrow QRS complex tachycardia Drugs: adenosine, Verapamil Procedure: Vagal maneuvers/synchronized cardioversion</p>
<b>April 29, 2013</b>	<p>9:00 – 12:00 am</p> <p>12:00 - 1:00 pm</p> <p>1:00 - 2:00 pm</p> <p>2:15 - 5:00 pm</p>	<p>Ventricular rhythms: VT, VF, Asystole Drugs: vasopressin, amiodarone, NaHCO<sub>3</sub> Procedure: Cardiac arrest management; defibrillation SOPs: VT w/ pulse; VF/VT w/o pulse; Asystole/ PEA Policy: Terminating resuscitation in persistent asystole Guided study: cardiac calls; cardiac arrest management</p> <p>Lunch</p> <p>Acute Abdominal Pain Dialysis/Chronic Renal Failure Altered Mental Status Alcoholism/Alcohol Intoxication Procedure: capillary glucose testing Drugs: dextrose, naloxone</p> <p>Diabetic/Glucose Emergencies Drug Overdoses/Poisonings CO poisoning; transport options to LGH Cyanide poisoning</p>
<b>May 16, 2013</b>	<p>9:00 - 10:15 am</p> <p>10:15 - 12:00 pm</p> <p>12:00 - 1:00 pm</p> <p>1:00 - 5:00 pm</p>	<p>Cold/Near Drowning/Water-related/Heat Emergencies Hypertension Psychological Emergencies Policy: Petitioning an emotionally ill patient System members with impaired practice Procedure: Use of restraints</p> <p>Generalized seizures Stroke/Brain Attack: Cincinnati quick stroke screen Special patient populations: Elderly, morbidly obese</p> <p>Lunch</p> <p>Initial Trauma Care SOPs: Field triage &amp; transport guidelines Procedures: IVF volumes; hemorrhage control; Glasgow Coma Scoring Helicopter Transport Guidelines</p>
<b>May 13, 2013</b>	9:00 - 12:00 pm	<p>Hypovolemic shock Traumatic arrest</p>

Date	Time	Topic
	12:00 - 1:00 pm 1:00 - 5:00 pm	Head Trauma Spine trauma: spine motion restriction guidelines Chest/Abdominal trauma Procedure: needle pleural decompression; sealing an open pneumothorax Eye emergencies Drug: Tetracaine Procedure: eye irrigation; ocular massage Lunch Musculoskeletal trauma; crush syndrome; compartment syndrome Drugs: pain management Procedure: splinting/bandaging Burns/Radiation Injuries Multiple patient incidents Emergency preparedness: Disaster plans; triage process/cards; use of Mark I kits Abuse/Domestic Violence
<b>May 20, 2013</b>	9:00 - 12:00 pm 12:00 - 1:00 pm 1:00 - 5:00 pm	<b>Emergency childbirth</b> Healthy newborn and postpartum care OB/delivery complications Neonatal resuscitation Trauma in pregnancy Lunch <b>Pediatric Protocols</b> IMC; Calculating peds drug doses; Children w/ special needs Peds Advanced airway; Peds Airway Obstruction Peds Respiratory arrest Peds Allergic Reaction/Anaphylactic shock Peds Asthma; croup; epiglottitis SIDS Peds Cardiac dysrhythmias Peds Glucose emergencies Peds Drug OD Peds Seizures Peds ITC Policy: Refusal of service by an adolescent