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# Central Line Class

Instructor(s): Kim Knittle RN, BSN, MBA, CRNI  
Juli Ruebuck RN

Costs: Free to Lutheran Health Network Associates.  
\$50.00 for Non-LHN Associates.

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Target Audience: Registered nurses working in areas responsible for the care and use of central lines

Objectives:

1. Identify intravenous access devices including peripheral IVs, PICC lines, tunneled catheters, infusaports, central lines, perm-caths.
2. Review accessing, flushing, care and dressing changes of lines.

Contact Hours: 3.0 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January			
February	6	LH	1:00 PM – 2:00 PM
March			
April			
May	28	LH	1:00 PM – 2:00 PM
June			
July			
August	7	LH	1:00 PM – 2:00 PM
September			
October	30	LH	2:00 PM – 3:00 PM
November			
December			

# Continuous Renal Replacement Therapy (CRRT)

Instructor(s): Jane McClellan RN, BSN, CNN  
Unit Manager Acute Dialysis Services  
Renal Care Group, Fort Wayne, IN

Costs: Free to Lutheran Health Network Associates.  
\$35.00 for Non-LHN Participants

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Target Audience: Critical Care nurses who care for patients receiving CRRT.

- Objectives:
1. Describe CRRT and its function.
  2. Identify indications for the use of CRRT in the Intensive Care Unit.
  3. State therapy options available with the PRISMA and describe their mechanisms of action.
  4. Discuss anti-coagulation options available with the PRISMA circuit and their implementation.
  5. Describe the responsibilities of staff during CRRT - Intensive Care Staff, Nephrologist, and Dialysis Staff.
  6. Document the CRRT process using the flow sheet (case study scenarios).

**Class size limit = 16**

Contact Hours: 2 LHN Continuing Education Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	15	LH – NRC	8:00 AM- 10:00 AM
July	29	LH – NRC	8:00 AM- 10:00 AM
September	19	LH – NRC	8:00 AM- 10:00 AM

# Critical Care Core I

Instructor(s): Rose Marie Pennell, MSN RN BC

Costs: Free to Lutheran Health Network Associates EXCLUDING BOOK.  
\$300.00 for Non-LHN Associates – EXCLUDING BOOK

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Text: Fast Facts by Kathy White (2007 edition) – Available from instructor on first day of class or online. Everyone must have a book.

Target Audience: New nursing graduates in monitored patient areas and nurses new to critical care setting.

- Objectives:
1. Evaluate diagnostic data/patient signs and symptoms, and provide appropriate interventions for the patient with deficits in the following body systems: cardiovascular, respiratory, renal, neurological, and endocrine.
  2. Calculate IV drug infusion rates and dosages based on patient weight and stability.
  3. Determine the acid-base balance of a patient based on ABG studies and describe causes and appropriate interventions.
  4. Describe actions, uses, and side effects of drugs used in the critical care setting.

**Class limit = 18**

Contact Hours: 32.5 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	11, 14, 16, 17, 18	LH – NRC	8:00 AM – 4:00 PM
February	18, 20, 21, 22, 26	LH – NRC	8:00 AM – 4:00 PM
April	11,14,16, 17, 18	LH – NRC	8:00 AM – 4:00 PM
May	7, 12, 14, 15, 16	LH – NRC	8:00 AM – 4:00 PM
June	12, 13, 16, 17, 18,	LH – NRC	8:00 AM – 4:00 PM
July	16, 17, 18, 21, 22	LH – NRC	8:00 AM – 4:00 PM
August	15, 18, 20, 21, 22	LH – NRC	8:00 AM – 4:00 PM
September	29, 30, 10/1, 2, 3	LH – NRC	8:00 AM – 4:00 PM
November	12, 13, 14, 17, 18, 20	LH – NRC	8:00 AM – 4:00 PM

# Critical Care Core II

- Instructor(s): Rose Marie Pennell, MSN RN BC
- Costs: Free to Lutheran Health Network Associates EXCLUDING BOOK. \$125.00 for Non-LHN Associates – EXCLUDING BOOK
- Registration: Complete Registration Form in front of catalog and return to Educational Resources Dept. at Lutheran Hospital. Questions - call 435-7453.
- Text: Fast Facts by Kathy White (2003 or 2005 edition) – Available from instructor on first day of class or online. Everyone must have a book.
- Target Audience: Nurses new to the advanced critical care setting, or experienced critical care nurses wishing to update their knowledge.
- Objectives:
1. Set up and troubleshoot hemodynamic monitoring equipment.
  2. Interpret hemodynamic findings obtained from invasive monitoring and appropriate intervention.
  3. Define modes of mechanical ventilation and verbalize special care concerns of the ventilated patient.
  4. Verbalize the use of an ICP monitor and discuss implications of the data it provides.
  5. Discuss assessment and treatment of patient with: ARDS, spinal cord injury, traumatic brain injury, increased cranial pressure, brain death, organ donation candidate potential and VAP.

**Class limit = 18**

Prerequisites: Completion of Critical Care Core I or validated competency.  
 Contact Hours: 19.5 LHN Contact Hours

*.NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	23, 24, 25	LH – NRC	8:00 AM- 4:00 PM
February	27, 28, 29	LH – NRC	8:00 AM- 4:00 PM
April	23,24, 25	LH – NRC	8:00 AM- 4:00 PM
May	21, 22, 23	LH – NRC	8:00 AM- 4:00 PM
June	25, 26, 27	LH – NRC	8:00 AM- 4:00 PM
July	23, 24, 25	LH – NRC	8:00 AM- 4:00 PM
August	27, 28, 29	LH – NRC	8:00 AM- 4:00 PM
October	15, 16, 17	LH – NRC	8:00 AM- 4:00 PM
November	19, 20, 21	LH – NRC	8:00 AM- 4:00 PM

# EKG – Basic

Instructor(s): Rose Marie Pennell MSN RN BC

Costs: Free to Lutheran Health Network Associates.  
For Non-LHN Associates: \$60.00 includes materials

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Target Audience: RNs needing basic EKG skills (i.e. OR, CBC), PCA, Nurse Extern I, associates (nursing and non-nursing) working in monitored areas that are not responsible for medication administration; this class does meet the EKG prerequisites for ACLS

Description: This course is designed to provide associates with the knowledge and skills to identify basic EKG rhythms, including potential lethal arrhythmias. Signs and symptoms of an unstable patient are taught. With this knowledge, it is expected that the associate will be able to identify and communicate EKG changes.

Remedial: Computer software is available in all intensive care units, the emergency department, computer room and library at Lutheran.

LHN Contact Hours: 8.0 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	21	LH	8:00 AM – 4:00 PM
February	13	LH	8:00 AM – 4:00 PM
March			
April			
May	12	LH	8:00 AM – 4:00 PM
June	10	LH	8:00 AM – 4:00 PM
July			
August			
September			
October	13	LH	8:00 AM – 4:00 PM
November			
December	8	LH	8:00 AM – 4:00 PM

# EKG – Introduction

Instructor(s): Rose Marie Pennell MSN RN BC

Costs: Free to Lutheran Health Network Associates,  
\$125.00 for Non-LHN Associates – EXCLUDING BOOK.

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Text/Supplies: ECG Workout, Jane Huff, available the first day of class to purchase or loan from the education department  
-purchasing a set of EKG Calipers is recommended

Target Audience: Registered nurses, LPNs, or Paramedics in monitored care areas.

- Objectives:
1. Describe the electrophysiology of the heart.
  2. Explain the different components of a cardiac monitor and differentiate between various monitoring leads.
  3. Identify the normal EKG components and appropriate measurements.
  4. Recognize normal and abnormal rhythms including:
 

A. Sinus	D. Conduction Defects
B. Atrial	E. Ventricular
C. Junctional	F. Pacemakers and Artifact
  5. Identify appropriate response to abnormal heart rhythms.

Remedial: Computer software is available for remediation at Lutheran, Dupont, and St. Joe.

Contact Hours: 20 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	28, 29, 30, 31, 2/1	LH	8:00 AM – 12:30 PM
March	20, 25, 26, 27, 28	LH	8:00 AM – 12:30 PM
May	28, 29, 30, 6/2, 3	LH	8:00 AM – 12:30 PM
June	30, 7/1, 2, 3, 7	LH	8:00 AM – 12:30 PM
July	30, 31, 8/1, 4, 5	LH	8:00 AM – 12:30 PM
September	8, 9, 10, 11, 12	LH	8:00 AM – 12:30 PM
October	23, 24, 28, 29, 31	LH	8:00 AM – 12:30 PM
December	15, 16, 17, 18, 19	LH	8:00 AM – 12:30 PM



# EKG – 12 & 18 Lead

- Instructor(s): Maureen Crockett RN, BSN, CCRN  
Cynthia Carlin BSN RN (Lutheran Classes)  
Laura Thompson, RN, BSN, MA
- Costs: Free to Lutheran Health Network Associates.  
\$60 for non-LHN participants - includes materials
- Target Audience: Healthcare associates responsible for identifying changes in 12 lead EKG. Limited to 40 participants.
- Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.
- Objectives:
  1. Recognize basic principles of electrophysiology vector flow.
  2. Identify normal 12 and 18-lead EKG placement & parameters.
  3. Discuss how the pathophysiology of the acute myocardial infarction process affects the normal 12-lead EKG.
  4. Identify EKG evidence of ischemia, injury, infarction and reciprocal EKG changes.
  5. Distinguish infarct location utilizing 12-lead EKG patterns with identification of associated coronary arterial blockages and correlate physiological assessment findings with specific coronary blockages.
  6. Discuss pathology that can mimic MI or obscure changes.
  7. Identify lead placement and acute changes involving the right ventricular infarct.
- Prerequisites: Basic Introductory EKG Knowledge
- Contact Hours: 4.0 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	4	LH	8:00 AM - 12:00 PM
March	7 - <b>CANCELLED</b>	LH	8:00 AM - 12:00 PM
April	14	SJ POB 217	8:00 AM - 12:00 PM
May	16	LH	8:00 AM - 12:00 PM
July	21	SJ POB 217	8:30 AM - 12:30 PM
August	8	LH	8:00 AM - 12:00 PM
October	10	LH	8:00 AM - 12:00 PM
December	9	DH	10:00 AM - 2:00 PM

## **ADVANCED 12/18 LEAD EKG**

Instructors: Laura Thompson, BSN, MA, RN

Cost: Free to Lutheran Health Network associates  
\$ 50 for non- LHN associates – includes materials

Target Audience: Health Care Associates who are proficient in reading a basic 12 lead/18 lead EKG and want to increase their knowledge of clinical problems that may affect the 12 Lead/18 lead EKG.

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Objectives:

1. Review basic 12 and 18 lead EKG information.
2. Discuss basic principles of electrophysiology and vector flow.
3. Explain depolarization abnormalities
4. Discuss clinical disorders affecting 12 lead EKG information:  
Pericarditis, Electrolyte abnormalities, Heart Failure/cardiomegly & bundle branch blocks.
5. Review pacemaker rhythms on the 12 lead EKG.

Prerequisites: Basic Introduction to EKG course  
12 Lead EKG Plus course

Contact hours: 4.0 LHN contact hours.

	Dates	Where	Time
March		LH	8:00 AM - 12:00 PM
August		SJ POB - 217	8:00 AM - 12:00 PM
November		LH	8:00 AM - 12:00 PM

# EKG for the NICU

Instructor(s): Cynthia Carlin, BSN, RN

Costs: Free to Lutheran Health Network Associates  
\$50.00 for Non-LHN Associates – All materials provided

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Target Audience: This is a requirement for all RNs working in the NICU

Objectives:

1. Identify the anatomy and electrophysiology of the heart
2. Identify the normal EKG rates and intervals for neonates
3. Identify and apply the 5 Step interpretation process to the most common dysrhythmias in neonates including:
  - Sinus Rhythms
  - Tachycardic Rhythms
  - Bradycardic Rhythms
  - Ventricular Rhythms

\*\*\* This class was design specifically for the NICU and does not prepare the attendee to competently document and treat pediatric and adult cardiac dysrhythmias.

Contact Hours: 4 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
June	20	LH	8:00 AM - 12:00 NOON

**Additional classes will be added as needed. Please contact Rose at 260-435-7451 for questions related to scheduling additional classes.**



# IABP - Initial Course

- Coordinator:** Rose Marie Pennell, MSN RN BC  
Taught by critical care nurses
- Costs:** Free to Lutheran Health Network Associates.  
\$90.00 for Non-LHN Associates.
- Registration:** Complete registration form in front of catalog and return to the Educational Resources Department @ LH
- Target Audience:** This class is intended for the Healthcare Associate who will be caring for the patient receiving Intra-Aortic balloon pump therapy; whether during insertion, therapy, weaning and/or removal.
- Objectives:**
1. Utilize concepts of cardiac physiology to identify how IABP therapy impacts cardiac output.
  2. Discuss patient problems that may improve with IABP therapy.
  3. Assist the physician with catheter insertion and removal.
  4. Time and troubleshoot the IABP to maximize cardiac output.
- Prerequisites:** Completion of Critical Care Core II

LHN Contact Hours: 7.0

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
April	30	LH - NRC	8:00 AM - 4:00 PM
October	22	LH - NRC	8:00 AM - 4:00 PM



# IABP Update

- Coordinator:** Rose Marie Pennell, MSN RN BC  
Taught by critical care nurses
- Costs:** Free to Lutheran Health Network Associates.  
\$40.00 for Non-LHN Associates.
- Target Audience:** This technical class is intended for the nurse who is caring for the patient with IAPB therapy and wants to enhance her/his knowledge base.
- Objectives:**
1. Time the IABP to maximize cardiac output.
  2. Identify and intervene for complications of catheter placement.
- Prerequisites:** IABP Class

LHN Contact Hours: 3.5

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
May	1	LH - NRC	8:00 AM - 12:00 Noon
October	29	LH - NRC	8:00 AM - 12:00 Noon

# IV Therapy - Basic

Instructor(s): Melissa Zirzow, RN

Costs: Free to Lutheran Health Network Associates.  
\$50.00 for Non-LHN Associates.

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Target Audience: Registered nurses working in areas responsible to initiate IV's.

Objectives:

1. Identify optimum venipuncture sites.
2. Practice initiating IV sites in a lab setting.
3. Recognize potential complications that may develop with an IV site.

Contact Hours: 3.0 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January	3	LH	1:00 PM – 4:00 PM
February	19	LH	1:00 PM – 4:00 PM
March			
April	22	LH	1:00 PM – 4:00 PM
May	20	LH	1:00 PM – 4:00 PM
June	24	LH	1:00 PM – 4:00 PM
July	29	LH	1:00 PM – 4:00 PM
August	19	LH	1:00 PM – 4:00 PM
September	23	LH	1:00 PM – 4:00 PM
October	21	LH	1:00 PM – 4:00 PM
November			
December	9	LH	1:00 PM – 4:00 PM

# Medical - Surgical Core

Instructor(s): Rose Marie Pennell, MSN RN BC

Costs: Free to Lutheran Health Network Associates.  
\$250.00 for Non-LHN Associates

Registration: Complete Registration Form in front of catalog and return to the Educational Resources Dept. at Lutheran Hospital. Any questions, please call 435-7453.

Target Audience: Externs, Graduate (novice) nurses and nurses new or returning to a medical/surgical setting.

Objectives:

1. Discuss the skills required to perform a patient assessment and appropriate charting.
2. Distinguish normal and abnormal assessment findings.
3. State appropriate responses to changes in patient status.
4. Demonstrate appropriate use of bedside equipment.
5. Utilizing critical thinking, differentiate between normal and abnormal assessment and analyze care options.

Contact Hours: 18 LHN Contact Hours

*NOTE: Dates may change, please check Website, Fliers, and Education Stations.*

	Dates	Hospital	Time
January			
February	8, 11, 14	LH – NRC	8:00 AM – 3:30 PM
March			
April	1, 2, 3	LH – NRC	8:00 AM – 3:30 PM
May			
June	6, 9, 11	LH – NRC	8:00 AM – 3:30 PM
July	TBD	LH – NRC	1:00 PM – 3:00 PM
July	14, 15	LH – NRC	8:00 AM – 3:00 PM
August	11, 13, 14	LH – NRC	8:00 AM – 3:30 PM
September	24, 25, 26	LH – NRC	8:00 AM – 3:30 PM
October			
November	7, 10, 11	LH – NRC	8:00 AM – 3:30 PM
December	10, 11, 12	LH – NRC	8:00 AM – 3:30 PM