



## **CEE Educational Opportunities**

### ***A Note from our Director, Barbara Furry:***

It is a pleasure to assist you with your quality educational experiences. This listing is not a calendar but areas and topics taught by The Center of Excellence in Education (CEE) for your group. Courses are scheduled for the convenience of your office, your staff and your preferred destination. Select a series of classes listed below and they can be customized to your timing and your staff educational needs.

CEE is a full service healthcare education company including an AHA Training Center. Since 1997, CEE has been actively providing cutting edge education for the healthcare community.

With a wide variety of instructors, classes, affordable prices, and flexible schedules, we will tailor courses to your specific education needs. The Center of Excellence in Education (CEE) offers classroom training **or we will travel to your location**. Students should be health care providers (medical, nursing, dental, paramedic, allied health professionals) whose daily occupations or volunteer activities demand proficiency in the areas indicated. Most courses include continuing education credits for all levels of the healthcare providers including physicians.

Please see our specific areas of study for the Paramedic and EMT on page 9.

The Mission of the Center of Excellence in Education is dedicated to assisting healthcare professionals in learning, with a focus on ultimately improving patient safety and care.

Thank you for choosing **The Center of Excellence In Education** as your preferred healthcare education provider.

Sincerely,

Barbara Furry, RN-BC, MS, CCRN, FAHA  
Director, The Center of Excellence in Education

*The American Heart Association (AHA) strongly promotes knowledge and proficiency in BLS, ACLS and PALS and has developed instructional materials for this purpose. Use of these materials in an educational course does not represent sponsorship by the American Heart Association. Any fees charged for such a course except for a portion of fees needed for AHA course material, do not represent income to the AHA.*

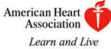

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	<u>COURSE TITLE</u>	<u>COURSE DESCRIPTION</u>
1	<b>ABG - Arterial Blood Gas Interpretation – The Good, The Bad and The Ugly?</b>	This course will introduce a step-by-step approach for blood gas analysis and recognition of abnormalities. Various treatments and clinical outcomes will be discussed, multiple case studies will be provided.
2	<b>ACLS Experienced Provider (EP)</b>	<p><i>ACLS Renewal Students ONLY!</i> The ACLS Experienced Provider Course is designed for seasoned ACLS providers who wish to renew their provider status. The course provides a stimulus for expert clinicians and scientists to identify and discuss resuscitation in special circumstances.</p> <p>Who attends ACLS EP? Professionals, clinicians, and scientists who must respond to cardiovascular emergencies and special resuscitation situations in the workplace. Mandatory material: ACLS Resource Text for Experienced Providers and pre-course assessment. Handbook for Emergency Cardiovascular Care is optional.</p>
3	<b>ACLS for the Terrified</b>	This course is a comprehensive 5-week ACLS course and allows more time for in-depth study. It is offered for the new ACLS learner who has completed a dysrhythmia course or for those who feel they need more time in class. Participants must attend all FIVE sessions for completion of 20 CEUs and card. Mandatory material for this course is the ACLS Provider Text; optional material for this course is the Handbook for Emergency Cardiovascular Care – there is a pre-course assessment for this course.
4	<b>ACLS Prep – Don't Be Terrified!</b>	The current ACLS Provider and Renewal courses require that students have knowledge of cardiac arrhythmias and cardiac pharmacology PRIOR to an ACLS course. This course will provide an overview of both EKG rhythms as well as medications given during ACLS emergency situations. The ACLS textbook is required for this course. Practice with algorithms will also be covered.
5	<b>ACLS Provider</b>	<p>This two-day course is designed for health-care providers who either direct or participate in the resuscitation of a patient, whether in or out of hospital. In this course you will enhance your skills in the treatment of arrest and peri-arrest patients through active participation in a series of simulated cardiopulmonary cases. You will receive training in effective team behaviors and have the opportunity to practice as a team member and team leader. At the end of the course you will participate in a mega-code testing station. A simulated cardiac arrest scenario will test the knowledge of core case material and skills, knowledge of algorithms, understanding of arrhythmia interpretation and use of appropriate basic drug therapy.</p> <p>This course is designed for the individual who has not previously taken an ACLS course or if the course was taken more than two years ago. Mandatory material for this course is the ACLS Provider Text; optional material for this course is the Handbook for Emergency Cardiovascular Care – there is a pre-course assessment for this course.</p>

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6	<p><b>ACLS Renewal</b></p>	<p>This one-day course is designed for health-care providers who either direct or participate in the resuscitation of a patient, whether in or out of hospital. In this course you will enhance your skills in the treatment of arrest and peri-arrest patients through active participation in a series of simulated cardiopulmonary cases. You will receive training in effective team behaviors and have the opportunity to practice as a team member and team leader. At the end of the course you will participate in a mega-code testing station. A simulated cardiac arrest scenario will test the knowledge of core case material and skills, knowledge of algorithms, understanding of arrhythmia interpretation and use of appropriate basic drug therapy.</p> <p>This course is designed for the individual who has previously taken an ACLS course and if the course was taken within two years; you can also recertify by the attending the ACLS-EP course. Mandatory material for this course is the ACLS Provider Text; optional material for this course is the Handbook for Emergency Cardiovascular Care – there is a pre-course assessment for this course.</p>
7	<p><b>American Heart Association Training Center</b></p> <div style="text-align: center;">   </div>	<p>We provide ACLS, ACLS for the Terrified, ACLS for the Experienced Provider, PALS, NRP, BLS and various levels of CPR and First Aid through the American Heart Association Training. <b>Let us bring these AHA courses to you.</b> Course completion cards are issued for two years. PRIVATE COURSES ARE AVAILABLE.</p>
8	<p><b>Annoying, Frustrating &amp; Alarming Causes of Chest Pain!</b></p>	<p>Not all chest pain is caused by acute coronary syndromes. This class discusses other causes of chest pain.</p>
9	<p><b>Arrhythmia Interpretation; Basic, Intermediate or Advanced Level</b></p>	<p>This class is designed for the (RN/LVN) who may be responsible for interpreting cardiac rhythms and identifying rhythm disturbances. The course will cover rhythm disturbances, therapeutic interventions and management of dysrhythmias. Content includes Electrophysiology, Sinus Rhythms, Atrial, Junctional, Ventricular, Heart Blocks Rhythms and Paced Rhythms.</p>
10	<p><b>Arrhythmia Basics for Monitor Techs*</b></p>	<p>This program is recommended for monitor technicians and other non-licensed personnel working in monitored areas. Analysis of cardiac rhythm strips will be taught. A textbook is required along with calipers. *No RN or LVN Credit.</p>
11	<p><b>Cardiology for the Non-Cardiac Nurse</b></p>	<p>Cardiac Assessment, Cardiac Drugs, Heart Failure, Acute Coronary Syndrome, Cardiomyopathies, Heart Blocks, Women and Heart Disease.</p>
12	<p><b>Critical Care Registered Nurse (CCRN) Review (AACN)</b></p>	<p>This course is taught for the RN preparing to take the AACN Critical Care review certification (CCRN). CCRN is a specialty certification for nurses providing direct bedside care to acutely or critically ill adults and the families.</p>
13	<p><b>Clinical Excellence in</b></p>	<p>Cardiac Physiology, Acute Coronary Syndromes, Cardiovascular Pharmacology, The Right Ventricular MI, Putting it All Together With Case Studies.</p>

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	<b>Cardiology</b>	
14	<b>Clinical Excellence in Critical Care</b>	Measuring and Controlling Tissue Oxygenation, New Monitoring Modes, Therapeutic Hypothermia, Stroke Management, Acute Adrenal Insufficiency, Acute Coronary Syndromes, Acute Heart Failure, Management Strategies for DVT/PE, The Ventilated Patient, Pharmacology.
15	<b>Clinical Excellence in Respiratory Care</b>	Pulmonary Physiology and Assessing Tissue Oxygenation, Pulmonary Assessment, Acute Lung Injury (ALI), Ventilator Strategies, Ventilator Assisted Pneumonias, Primary and Secondary Pulmonary Hypertension, Putting it All Together With Case Studies.
16	<b>CMC Review – Cardiac Medicine Review (AACN)</b>	This course is taught for the RN preparing to take the AACN Cardiac Medicine Certification. CMC is a subspecialty certification for nurses caring for acutely and critically ill adult cardiac patients.
17	<b>CSC – Cardiac Surgery Review (AACN)</b>	This course is taught for the RN preparing to take the AACN Cardiac Surgery Certification. CSC is a subspecialty certification for cardiac surgery nurses caring for acutely and critically ill adult cardiac patients.
18	<b>Complex Medical - Surgical Patient</b>	Optimizing Postoperative Outcomes with Preoperative Assessment/ Management, Postoperative Assessment and Monitoring, Postoperative Emergencies, Pain Assessment/Management, Prevention of Postoperative Complications, Sepsis: A Postoperative Complication, ARDS: A Postoperative Complication.
19	<b>Conscious Sedation</b>	Overview of Conscious Sedation, Common Drugs Used in Conscious Sedation, Six Things You Need to Know Before Administering Medications, Case Study Presentation: Assessment & Managing the Complications.
20	<b>CPR – Basic Life Support (BLS) Healthcare Provider</b>	<p>Basic Life Support (BLS) teaches the skills and importance of using CPR, adult, child &amp; Infant. Use of the AED, relief of choking in adults, children and infants. Additionally, the importance of use of barrier devices to assist with better breathing and to protect the rescuer.</p> <p>This course is designed to provide an opportunity for evaluation and completion of the cognitive and performance skills of Basic Life Support (BLS) for the Healthcare Provider (HCP). Participants must review and come prepared for evaluation. This course is designed for the individual who has not previously taken a BLS-HCP course or if the course was taken more than two years ago. Mandatory material for this course is the BLS for Healthcare Providers Text – there is no pre-course assessment for this course.</p>
21	<b>CPR – Basic Life Support (BLS) Healthcare Provider - RENEWAL</b>	This course is designed to provide an opportunity for renewal of evaluation and completion of the cognitive and performance skills of Basic Life Support (BLS) for the Healthcare Provider (HCP). Participants must review and come prepared for

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		evaluation. Participants must have a current BLS-HCP card. Mandatory material for this course is the BLS for Healthcare Providers Text – there is no pre-course assessment for this course.
22	<b>CPR – Heartsaver ~ AED</b>	The Heartsaver AED Course teaches CPR, AED use, relief of choking in adults, children, and infant CPR and relief of choking, and use of barrier devices.  For those who have a duty to respond to cardiac emergencies for job responsibilities and regulatory requirements; or family, friends and the general community who want to learn CPR. Heartsaver AED Text.
23	<b>CPR – Heartsaver ~ First Aid ~ AED</b>	The Heartsaver First Aid Course teaches how to manage illness and injuries in the first few minutes until professional help arrives. Course content includes General Principles, Medical Emergencies, and Injury Emergencies.  For those who have a duty to respond with first aid for job responsibilities and regulatory requirements; or family, friends and the general community who want to learn CPR and First Aid.. Heartsaver CPR/1 <sup>st</sup> Aid Provider Text.
24	<b>Critical Care Nursing – Entry Level Basics</b>	This class follows the content as outlined by the American Association of Critical Care Nurses and is designed to provide a knowledge base for the experienced nurse to enter the practice for Critical Care Nursing. The class is taught by body systems covering cardiovascular, pulmonary, neurological, renal, metabolic, GI/GU and Multisystem.
25	<b>Critical Care Update</b>	Interpreting Hemodynamic Parameters, Early Signs of Sepsis, Troubleshooting Ventilators, Recognizing Ischemia/Injury/Infarction on the 12-Lead EKG, VT vs. SVT, Interpreting Lab Values, Early Signs of ARDS, Kidney.
26	<b>Dental Surgery Office Mega-Code Compliance</b>	This course is designed as an opportunity for both the single and dual degree surgeon and staff who either direct or participate in the resuscitation of a patient in the oral surgery setting. In this course you will enhance your skills in the treatment of arrest and peri-arrest patients through active participation in a series of simulated cardiopulmonary cases.
27	<b>Don't Have a Heart Attack! Cardiac Care for the Non Cardiac Nurse</b>	12 Lead ECG's, Cardiovascular Drugs, Acute Coronary Syndromes, Cardiac Case Studies, Heart Blocks, Pacemakers, Acute Pulmonary Embolism, Electrolyte Emergencies.
28	<b>EKG - 12 Lead EKG Interpretation; Basic, Intermediate or Advanced</b>  <b>EKG - Multi-Lead EKG: 15 and</b>	Acute Coronary Syndromes, Bundle Branch Blocks, Hemiblocks, Electrolytes, Wide QRS Tachycardias, WPW. 12 Lead EKG course is designed for registered professional nurses and other healthcare professionals who wish to increase their knowledge of electrocardiography.  Analysis of multi-Lead EKG changes, identification of possible causes of axis

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	<b>18 lead EKG's. Right Ventricular MI and Posterior Wall MI.</b>	deviation, hypertrophy patterns, bundle branch blocks, electrolytes and infarction patterns will be presented. Implications for nursing interventions and management will be discussed.
29	<b>EKG and Pharmacology for the ACLS Student</b>	This course combines the review of EKG interpretation and the optimal use of cardiac pharmacology encountered in ACLS classes. Class length is seven hours.
30	<b>Go Wild for Cardiac! Cardiac Physiology, ACS, Cardiac Drugs</b>	In-depth review of chest pain, ACS, The Elusive MI 12 Lead MI identification, Pericarditis, Acute Heart Failure, Chronic Heart Failure, Case Presentations, Right Ventricular MI.
31	<b>Hemodynamic Monitoring – Basic Concepts</b>	Hemodynamic Parameters, Waveform Analysis, Cardiogenic Septic Shock, Post-Open Heart Surgery, Non-invasive Hemodynamic Monitoring, Therapeutic Intervention, DO <sub>2</sub> /VO <sub>2</sub> Relationships, Left Ventricular Failure and Heart Failure, Cardiac Surgery, Acute MI, Cardiogenic Shock, Pneumonia, Multisystem Trauma.  This class examines the critical concepts of hemodynamic monitoring to assist in providing nursing care for the hemodynamically unstable patient. Students are given the opportunity to identify the principles and practice of cardiac output measurements. Case studies are utilized.
32	<b>Hemodynamics (Intermediate – Advanced)</b>	This class examines the critical concepts of hemodynamic monitoring to assist in providing nursing care for the hemodynamically unstable patient. Students are given the opportunity to identify the principles and practice using the pulmonary artery catheter. Case studies will be utilized to enhance learning. SVO <sub>2</sub> , ScVO <sub>2</sub> , cardiac output measuring will also be reviewed.
33	<b>Med/Surg Certification Review</b>	This class is specifically intended for the nurse working in the Medical/Surgical nursing environment who is preparing for the Medical/Surgical Certification exam.
34	<b>Med-Surg Nursing: Clinical Issues and Treatment Strategies</b>	Interpreting Lab Values, Respiratory Issues, Symptom Analysis, Sepsis/SIRS/MODS, Medication Management, Cardiac Challenges, Nutrition Issues.
35	<b>Mega Code for ACLS and/or PALS</b>	This course is designed for staff that desire the opportunity to work through and practice the ACLS algorithms in a non-stressful, non-testing environment.
36	<b>Mega Code for the Oral &amp; Maxillofacial Surgeon's &amp; Staff</b>	<i><b>Are you required to complete competency for a state office evaluation of your emergency anesthetic situations with your patients?</b></i>  Let us help you ensure compliance for your patients. This course is designed as an opportunity for both the single and dual degree surgeon and staff who either direct or

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		participate in the resuscitation of a patient, in the oral surgery setting. In this course you will enhance your skills in the treatment of arrest and peri-arrest patients through active participation in a series of simulated cardiopulmonary cases.
37	<b>Neuro: For the Non-Neuro Nurse</b>	This course addresses Traumatic Brain Injury, Spinal Cord Injury, Brain Tumors, Stroke, Aneurysms, Subarachnoid Hemorrhage, and CNS Infections.
38	<b>NRP – Neonatal Resuscitation Provider</b>	NRP courses are dedicated to the recognition and care of the neonatal patient in distress. This course follows the core requirements/guidelines developed by the <u>American Academy of Pediatrics</u> and the American Heart Association for the training of health care providers. <b><i>You must complete your online examination and bring your completion certificate.</i></b> The teaching is done in small groups with practical hands-on demonstrations. Ask us for the NRP Cover Letter for pre-course preparation instructions.
39	<b>PALS – Renewal</b>	<p>This course is dedicated to the recognition and care of the pediatric patient in distress. Following the core requirements/ guidelines developed by the American Academy of Pediatrics and the American Heart Association for the training of health care providers, the goal is to integrate knowledge and motor skills into a clinically useful discipline. The majority of teaching is done in small, informal groups with practical hands-on demonstrations.</p> <p>The course emphasizes early recognition of anticipatory interventions for pre-arrest states and the prevention of cardio-pulmonary arrest in children. Useful techniques will be taught for treating the arrested pediatric patient. This course is designed for the individual who has previously taken an ACLS course and if the course was taken within two years. Mandatory material for this course is the PALS Provider Text – there is a pre-course assessment for this course.</p>
40	<b>PALS Provider</b>	<p>This course is dedicated to the recognition and care of the pediatric patient in distress. Following the core requirements/ guidelines developed by the American Academy of Pediatrics and the American Heart Association for the training of health care providers, the goal is to integrate knowledge and motor skills into a clinically useful discipline. The majority of teaching is done in small, informal groups with practical hands-on demonstrations.</p> <p>The course emphasizes early recognition of anticipatory interventions for pre-arrest states and the prevention of cardio-pulmonary arrest in children. Useful techniques will be taught for treating the arrested pediatric patient. This course is designed for the individual who has not previously taken a PALS course or if the course was taken more than two years ago. Mandatory material for this course is the PALS Provider Text - there is a pre-course assessment for this course.</p>
41	<b>PCCN Review (AACN)</b>	This course is taught for the Progressive Care RN preparing to take the AACNPCCN review certification. PCCN is a specialty certification for nurses providing direct

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		bedside care to the acutely ill patients and their families.
42	<b>Rapid Response to Clinical Crisis</b>	Concept of RRT, Structuring a Rapid Response Team, Early Indicators of Impending Doom, Criteria for Calling RRT, Case Scenarios.
43	<b>Recognizing the Patient in Distress: Minutes Count!</b>	What are the warning signs that were waving a red flag that are unfortunately missed? 80% of hospitalized patients with cardiac arrest had abnormal vital signs for up to 8 hours prior to arrest! This class discusses these warning signs of impending problems. Case studies are used to reinforce the major signs and symptoms.
44	<b>S.T.A.B.L.E. for Ill Neonates</b>	S.T.A.B.L.E. targets the post-resuscitation care of ill neonates and is therefore considered by many experts to be the follow-up, complementary program to the American Academy of Pediatrics' Neonatal Resuscitation Program (NRP). S.T.A.B.L.E. stands for Sugar, Temperature, Airway, Blood Pressure, Lab work, and Emotional support - all necessary components of stabilizing ill infants.
45	<b>S.T.E.M.I.</b>	This course is designed to teach the rapid assessment, diagnosis and treatment of ST segment elevation MI (STEMI) patients. The major emphasis is keeping door to balloon time within 30 minutes and door to needle time within 30 minutes. Course content includes EKG analysis, defining ACS for ischemia, injury and infarction with specific leads for anterior, inferior, lateral, and right ventricular infarctions. Class length is three hours.
46	<b>Stroke Topics</b>	Vascular Anatomy and Diagnostic Imaging, Localizing Strokes, Stroke Assessment: NIH Stroke Scale and More, Risk Factors and Prevention, SAH: Aneurysms and Vasospasms, Thrombotic Ischemic Strokes, Cardio embolic Strokes: Atrial Fibrillation Management, Hemorrhagic Strokes, Interventional Radiology with Strokes, "Other" Strokes, Rehabilitation Issues of Stroke.
47	<b>Universal Behavior Precautions: Techniques for Verbal De-Escalation</b>	The medically ill (physical or mental illness) person may pose a risk to others due to an illness (acute or chronic). This could be the patient, family or visitor. Few professionals like to deal with conflict and confrontation and this class addresses how to deal with threatening, volatile or out of control patients, physicians or fellow co-workers. The art of conflict management is a skill that can be developed!

**Call to request additional courses...**

**Customized to meet YOUR needs for healthcare education!**

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## CEE Educational Opportunities

### Paramedic & EMT Specific Training

**Instructor: Paul Berlin, MS, NREMT-P**

<b>Confined Space Medicine</b>	
<b>Disaster Medical Planning</b>	What to do when you can't get patients to healthcare facilities?
<b>EMS Point of Care program design</b>	Sample handling, QA and results interpretation for EMS providers
<b>The Athletic Heart</b>	Issues and advantages
<b>Finish Line Care of Endurance Athletes</b>	
<b>Coordinating Event Medical Teams</b>	For sporting events and concerts
<b>BLS/CPR Review</b>	What changes can we foresee given the current research?
<b>Infection Prevention in EMS</b>	
<b>Optimal Staffing for EMS Response</b>	Finding that fine line between too many paramedics and not enough.
<b>Trauma, Lightening Strike, Asthma, Drowning, Hypothermia, Hyperthermia, Electrocution for the EMS Provider</b>	

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### **About The Director**

**Barbara Furry, RNC, MS, CCRN, FAHA** is locally and nationally recognized for quality healthcare education. As owner and Director of The Center of Excellence in Education, Barbara Furry empowers students with her passion for education and advances in healthcare every day. With twenty years of critical care nursing experience, Barbara lectures nationally and specializes in development of courses or lectures for the specific needs of each healthcare audience such as oral and maxillofacial surgeons. She holds a Master's of Science degree in Health, and provides education with focus to serving rural and suburban healthcare and dental practitioners.

Barbara actively participates and serves the American Heart Association (AHA) on the AHA National Education Committee; she is an ACLS, ACLS-EP, PALS instructor; AHA Past-Chair, ECC and Board member with a variety of volunteer AHA leadership roles since 1986. She is past-President and Fellow of the American College of Cardiovascular Nurses.

### ***CEE Accreditation for Physicians, RN's and Allied Healthcare Providers:***

The Center of Excellence in Education (CEE), P.O. Box 308, Chico, CA 95927, is accredited by the Institute for Medical Quality/California Medical Association (IMQ/CMA) to provide continuing medical education for physicians *AMA PRA Category 1 Credit(s)*™. Educational activities are implemented in accordance with the Institute for Medical Quality and the California Medical Association's CME Accreditation Standards (IMQ/CMA).

California Board of Registered Nursing

Pre-hospital (EMT-P)

American Heart Association (AHA) Training Center

### ***Classes range from one-hour to multi-session, days of instruction.***

- ♥ Work with the friendly, CEE staff toll free at 530/891-8916 to assess your educational needs and activities.
- ♥ It is our pleasure to answer any questions or provide pricing and scheduling information.



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