

## Mercy Heart & Vascular Institute 2010 Cardiovascular Classes and Events

Class Title	Date	Location /Time	Description of Class
<b>12-Lead EKG</b> <i>7 contact hours</i>	Mar. 11 June 17 Sept. 30 Dec. 9	Mercy Learning Center 0730 - 1545	This one-day course is designed for individuals who are experienced in basic dysrhythmia recognition and desire information on identifying changes on the 12 Lead EKG that represent myocardial ischemia, injury, and infarct. Topics include: <ul style="list-style-type: none"> <li>• Normal EKG characteristics and proper lead placement</li> <li>• Correlating leads with coronary arteries</li> <li>• EKG changes associated with ischemia, injury, and infarct</li> <li>• Complications for each type of MI</li> <li>• Identification of thrombolytic candidates</li> </ul>
<b>Basic Cardiac Monitoring Course Prep</b>	January 4 February 1 March 22 May 3 June 7 July 12 August 2 October 4 November 1	Mercy Learning Center 0730 - 1545	This one-day course is designed for non-licensed participants as preparation for attendance in our 3-day Basic Cardiac Monitoring Course. The course will discuss and practice basic concepts needed to successfully complete and pass the Basic Cardiac Monitoring Course.  To register: Course applications can be obtained by contacting Strategic Learning Development at (916) 733-6333 or online at <a href="http://www.continuingeducationconsortium.org">www.continuingeducationconsortium.org</a> . Fax completed application to (916) 733-6286 ( <b>Must be approved by supervisor</b> )  For more information, Continuing Education Consortium at: (916) 733-6333
<b>Basic Cardiac Monitoring Course (BCMC)</b> <i>24 contact hours</i>	Jan. 13, 20 & 27 Feb. 10, 17 & 24 Mar. 3, 10 & 17 Mar. 31, Apr. 7 & 14 May 12, 19 & 26 June 16, 23 & 30 July 14, 21 & 28 Aug 11, 18 & 25 Sept 15, 22 & 29 Oct 13, 20 & 27 Nov 3, 10 & 17 Dec 1, 8 & 15	Mercy Learning Center 0730 - 1545	This program is provided by the Continuing Education Consortium. It is designed to provide basic, yet comprehensive, information about cardiac rhythm monitoring. Emphasis is placed on the analysis and interpretation of EKG rhythm strips and appropriate nursing interventions based on evaluation of the patient's clinical condition and response to the rhythm disturbance. Interventions associated with each dysrhythmia are stressed according to job responsibilities for each category of learner (RN, LVN, and Monitor Tech).  To register: Course applications can be obtained by contacting Strategic Learning Development at (916) 733-6333 or online at <a href="http://www.continuingeducationconsortium.org">www.continuingeducationconsortium.org</a> . Fax completed application to (916) 733-6286 ( <b>Must be approved by supervisor</b> )  For more information, Continuing Education Consortium at: (916) 733-6333

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<b>Basic Hemodynamics</b> <i>7 contact hours</i>	Mar. 4 May 6 July 1 Aug. 19 Oct. 21	Mercy Learning Center 0730 – 1630	<p>This one-day program will cover the assessment and intervention using hemodynamic parameters measured from pulmonary artery (swan), triple lumen, and arterial monitoring systems. Included will be monitoring system setup and maintenance; waveform analysis; pressure, SVR, CO value interpretation; SVO<sub>2</sub> and continuous cardiac output monitoring.</p> <p>This course is intended for nurses who are either unfamiliar or need a review of the fundamental concepts of Basic Hemodynamics. Vasoactive drugs will be covered.</p> <p>To register: Course applications can be obtained by contacting Strategic Learning Development at (916) 733-6333 or online at <a href="http://www.continuingeducationconsortium.org">www.continuingeducationconsortium.org</a>. Fax completed application to (916) 733-6286 (<b>Must be approved by supervisor</b>)</p> <p>For more information, Continuing Education Consortium at: (916) 733-6333</p>
<b>Basic Intra-Aortic Balloon Pump</b>	April 13 Oct. 13	Mercy General Hospital Greenhouse A&B 0800 – 1630	<p>This basic course is designed to acquaint the critical care nurse with the fundamental concepts of IABP and related cardiac actions. IABP mechanics will be demonstrated and nursing management of the balloon pump patient will be discussed.</p>
<b>Cardiac Nursing: Caring for the Post-EP Patient</b>	June 16	0800 – 1630	
<b>Cardiac Nursing: Caring for the Post-Cardiac Surgery ICU Patient</b>	Feb. 10 Aug. 11	0800 – 1630	
<b>Cardiac Nursing: Caring for the Post-Cardiac Interventional Patient</b>	Jan. 20 May 19 Sept. 29	0800 - 1630	<p>This class is designed for the Interventional Cardiology nurse as an introduction to caring for the pre- and post-cardiac interventional patient. Topics discussed include: Valvular Disease; Acute Coronary Syndrome; Hemostasis Devices; Cath Lab Reports; Percutaneous Coronary Interventions; Sheath Pull Management and Complications; Common Medications</p>

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<p><b>CardioPulmonary Assessment</b> <i>14 contact hours</i></p>	<p>Apr. 16 &amp; Apr. 30 Oct. 15 &amp; Oct. 29</p>	<p>Mercy Learning Center 0730 - 1545</p>	<p>This two-day course is designed for the medical-surgical nurse who is currently working in a telemetry/step-down unit. Information gained during these two days will also assist the nurse who wants to begin working in a telemetry/step-down unit. The course is presented on an intermediate level and will cover in-depth physical assessment of the pulmonary and cardiovascular systems. The objectives will be met through lectures, beef heart dissection, use of heart sound simulator, and relevant case studies.</p> <p>Course applications can be obtained by contacting Strategic Learning Development at (916) 733-6333 or online at <a href="http://www.continuingeducationconsortium.org">www.continuingeducationconsortium.org</a>. Fax completed application to (916) 733-6286 <b>(Must be approved by supervisor)</b></p> <p>For more information, contact Continuing Education Consortium at: (916) 733-6333</p>
<p><b>Cath Lab and Beyond</b> <i>32 contact hours</i></p>	<p>April 19 – April 23</p>	<p>Mercy Learning Center 0800 - 1645</p>	<p>This exciting program is designed for nurses and technicians interested in a career in the Cardiac Cath Lab, or staff newly employed in the Cath Lab. In addition, the program will benefit the Telemetry and Critical Care Nurse who cares for the patient undergoing coronary intervention. Topics include:</p> <ul style="list-style-type: none"> <li>♥ Cardiovascular anatomy and physiology (utilizing beef heart dissection), cardiovascular disease processes, hemodynamics, and pharmacology</li> <li>♥ Ischemic stroke, hemostasis, &amp; vascular closure devices</li> <li>♥ Electrophysiology (Basics and What's New)</li> <li>♥ Coronary diagnostic and therapeutic procedures: indications, techniques, &amp; complications</li> <li>♥ Coronary and peripheral procedures: indications, techniques, &amp; complications</li> </ul> <p>Please contact Strategic Learning Development at (916) 733-6330 for a registration application, or online at <a href="http://www.continuingeducationconsortium.org">www.continuingeducationconsortium.org</a>. Fax completed application to (916) 733-6286. <b>(Must be approved by supervisor)</b></p> <p>For more information, contact Continuing Education Consortium at (916) 733-6333</p>
<p><b>Dysrhythmia Review Course</b> <i>6 contact hours</i></p>	<p>March 25 May 12 Sept. 8 Nov. 9</p>	<p>Mercy Learning Center 650 Howe Ave., Suite 400</p>	<p>This course is designed for the participant who has taken a previous Basic Cardiac Monitoring Course, but needs a review. Anatomy, physiology, rhythm review and common treatments will be covered.</p> <p>The textbook, <i>Basic Arrhythmias</i>, by Walraven, is recommended (not required.) To purchase or borrow, call SLD at 733-6330.</p> <p>For more information, contact Stacy Williams at (916) 733-6347</p>

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<b>Intra-Aortic Balloon Pump – Basics</b> <b>7 contact hours</b>	Apr 13 Oct 13	Mercy General Hospital Greenhouse A & B 4001 J Street	This basic course is designed to acquaint the critical care nurse with the fundamental concepts of Intra-Aortic Balloon Pumping and related cardiac actions. Intra-Aortic Balloon Pump mechanics will be demonstrated and nursing management of the balloon pump patient will be discussed. Participants will be able to: <ul style="list-style-type: none"> <li>◆ <b>Identify the anatomical structures of the cardiovascular system</b></li> <li>◆ <b>Identify indications and contraindications for the balloon pump</b></li> <li>◆ <b>Define preload and after-load</b></li> <li>◆ <b>Demonstrate how to set up the balloon pump for patient use</b></li> <li>◆ <b>Identify complications or malfunctions and appropriate nursing actions and consideration when managing patients with balloon pumps</b></li> </ul> Hands on practice will be provided.
<b>Pacemakers: Dual Chamber Pacing</b> <b>4 contact hours</b>	Feb. 9 May 11 Aug. 10 Nov. 9	Medtronic Training Room MMP – MGH Campus 3939 J Street, #240	This 4-hour class is designed for the individual caring for the patient with, or who has received, an implanted pacemaker. Topics will include indications for pacemaker implantation, different types of pacemakers, appropriate programming of pacemakers, and patient care.  Presented by Medtronic Sr. Technical Field Engineer; program managed by SLD
<b>Pacemakers: ICDs and CRTs</b>	Feb. 16 May 18 Aug. 17 Nov. 16	Medtronic Training Room MMP – MGH Campus 3939 J Street, #240	This course will introduce indications for implanting an Implantable Cardioverter Defibrillator (ICD) including: <ul style="list-style-type: none"> <li>♥ Components of an arrhythmia</li> <li>♥ Detection of “tachy” arrhythmias by an ICD</li> <li>♥ Tiered therapies including Anti-Tachy Pacing (ATP), Cardioversion, and Defibrillation</li> </ul> Presented by Medtronic Sr. Technical Field Engineer; program managed by SLD
<b>Rhythm Interpretation: Beyond the Basics</b> <b>7 contact hours</b>	Jan. 29 July 23 Oct. 22	Mercy Learning Center 0730 - 1545	This one-day course is designed for individuals who have basic EKG rhythm interpretation skills and desire more insight into complex arrhythmia recognition. <ul style="list-style-type: none"> <li>• Re-entry mechanisms (WPW, PSVT)</li> <li>• Bundle Branch Blocks</li> <li>• VT verses SVT</li> <li>• Advanced Pacemakers and Implanted Defibrillators</li> </ul>

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