1) Sudden Cardiac Arrest & Early Defibrillation

- Sudden Cardiac Arrest
  - Impact
  - What Happens?
  - The Result
  - Cardiopulmonary Resuscitation (CPR)
  - Defibrillation
  - Time Is Critical

- Automated External Defibrillator (AED)
  - Survival

- Chain of Survival
  - Missing or Weak Links

- Treatment Guidelines by Age

- Cardiac Arrest in Children
  - Treatment for Children
  - Chain of Survival for Children

2) Personal Safety

- Pause First
- Disease Transmission
- Bloodborne Diseases
- Universal Precautions
- Disposable Gloves
- CPR Mask
- No Barriers

3) BLS Skills

- Chest Compressions
  - Compress Fast and Deep
  - Minimize Interruption
  - Keep It Up
  - Alternative Technique
  - Chest Compressions – Adult – Skill Steps
  - Chest Compressions – Child – Skill Steps
  - Chest Compressions – Infant – Skill Steps

- Rescue Breaths
  - Airway
  - Displace the Tongue
  - Head-Tilt, Chin-Lift
  - Maintain the Airway
  - Airway Is the Priority
  - Use a Barrier
  - Rescue Breaths – CPR Mask – Skill Steps
  - Limit Volume
  - Rescue Breaths - Children and Infants
  - Jaw-Thrust Technique

- Bag-Mask Device
  - Using a Bag-Mask
  - Bag-Mask – Skill Steps
  - Bag-Mask – Single Provider– Skill Steps
  - Bag-Mask – Children and Infants
  - Oropharyngeal Airway (OPA)
  - Advanced Airways

- Suspected Head, Neck, or Back Injury
  - Jaw-Thrust Without Head-Tilt

- CPR Shield
  - Rescue Breaths – CPR Shield – Skill Steps

- No Barriers

- Primary Assessment – Unresponsive Patient
  - Decision Point:
    - Breathing - Recovery position
    - Abnormal or No Breathing & Pulse
      - Rescue Breathing
    - Abnormal or No Breathing & No Pulse – CPR & AED
Course Overview

4) BLS Care
- Unresponsive and Breathing – Recovery Position
  - Skill Steps
  - Monitor Breathing
- Unresponsive, Not Breathing and Has a Pulse – Rescue Breathing
  - Skill Steps
  - Poor Perfusion
- Unresponsive, Not Breathing, and Pulseless - CPR
  - Adult Skill Steps
  - Compression-Only CPR
  - Child - Skill Steps
  - Infant - Skill Steps
- Special CPR Situations

5) Defibrillation
- Automated External Defibrillators (AED’s)
  - Turn on the AED
  - Attach the AED
  - Allow the AED to Analyze
  - Deliver Shock if Directed
  - Perform CPR
  - Baring the Chest
  - Look at Pad Pictures
  - Peel Pads from Backing
  - Analysis
  - Delivering Shock
  - Resuming CPR
  - Shock Not Indicated
- Using an AED – Adult – Skill Steps
  - If Patient Responds
- Children and Cardiac Arrest - AED’s for Children
- Using an AED – Child and Infants – Skill Steps
  - If Child Responds
- AED Troubleshooting & Other Considerations
  - Problem with Pads
  - Wet or Hairy Chest
  - Movement
  - Replace Battery
  - Wet or Metal Surfaces
  - Implanted Devices & Medical Patches

6) Team Approach
- Multiple Providers
- Adjust Care as Providers Arrive
- Two-Provider CPR
- Jaw Thrust With Head-Tilt
- Pause Compressions for Breaths
- Switch Compressors
- Child and Infants – 2 Man – 15:2
- Integrating an AED
- Integrating a Bag-Mask
- Integrating an Advanced Airway

7) Foreign Body Airway Obstruction (FBAO)
- Choking
- Clearing an Obstruction
- Mild Blockage
- Severe Blockage
- Choking – Adult – Skill Steps
- Pregnant or Obese
- Choking Child
- Choking – Child – Skill Steps
- Choking Infant
- Choking – Infant – Skill Steps
- Seek Further Medical Care