

Course Outline



Apply Advanced Resuscitation Techniques

National Course Code: HLTFA404A

This course deals with the provision of advanced first aid resuscitation techniques, life support and management of casualty(s), until the arrival of medical or other assistance, and provision of support to other providers

Course Contents:

- Prepare resuscitation equipment ready for use
- Apply bag and mask resuscitation technique
- Attach and operate an AED
- Administer oxygen
- Operate suction equipment
- Restore and maintain equipment ready for future use



Duration

4 hours classroom training and assessment

Course inclusions:

- A4 display certificate (on successful completion)
- Card certificate (on successful completion)

Assessment methods:

- Multiple choice quiz
- Progressive practical assessment

Prerequisites:

- Students must be 16 years or older and should have a valid certification in one of the following:
 - HLTFA301B Apply First Aid
 - HLTFA201A Perform CPR or
 - HLTFA201A Provide Emergency Life Support

Award issued:

- Statement of Attainment (on successful completion)

Recertification:

- Legislative approval valid for 1 year from the completion date
Annual refreshers recommended

Notes:

- Due to the practical components of the course, participants are advised to wear comfortable casual attire.
- This unit of competency is nationally recognised and is registered on the National Training Information Service website <http://www.ntis.gov.au>



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HLTFA404A

Apply advanced resuscitation techniques

Descriptor

This unit deals with the provision of advanced first aid resuscitation techniques, life support, and management of casualty(s), until the arrival of medical or other assistance, and provision of support to other providers

Elements of Competency and Performance Criteria

1. Prepare resuscitation equipment ready for use
 - Undertake pre-use check of resuscitation equipment in accordance with organisation procedures, manufacturer's instructions, industry standards and regulatory requirements
 - Diagnose minor equipment faults and rectify within the scope of organisation procedures and manufacturer's instructions
 - Identify and deal with major faults and defects in accordance with organisation procedures
2. Apply bag and mask resuscitation technique
 - Assemble the bag valve mask resuscitation device
 - Use the bag valve mask device in the delivery of CPR
 - Select and use an oropharyngeal airway to maintain a casualty's airway
 - Rectify issues preventing adequate treatment as they arise
3. Attach and operate an AED
 - Prepare the casualty in accordance with manufacturer's requirements and ARC Guidelines.
 - Attach the AED and operate in accordance with organisation procedures, manufacturer's guidelines, ARC guidelines and state legislation
 - Coordinate the operation of the AED with the resuscitation team to minimise interruption to CPR efforts
4. Administer oxygen
 - Apply the medical and safety precautions associated with storing, handling and administering oxygen
 - Select and operate oxygen masks and cannulae in delivery of oxygen therapy
 - Provide oxygen to a bag valve mask device
 - Provide supplemental oxygen to a breathing casualty

5. Operate suction equipment

- Apply medical and safety precautions associated with the provision of manual and oxygen powered suction devices
- Select and operate suction catheters and devices
- Provide suction during the application of advanced resuscitation techniques

6. Restore and maintain equipment ready for future use

- Clean, discard, disinfect, replenish and recharge equipment in accordance with organisation procedures and manufacturer's instructions
- Diagnose and rectify minor faults within the scope of organisation procedures and manufacturer's instructions
- Identify and deal with major faults and defects in accordance with organisation procedures

REQUIRED SKILLS AND KNOWLEDGE

Essential knowledge:

- Working knowledge of:
 - Legal responsibilities and duty of care, including confidentiality
 - Basic anatomy (skeleton, muscles, joints, bones), physiology and toxicology as it relates to the provision of advanced first aid resuscitation, including:
 - . relevant organs of the cardio pulmonary system and their operation
 - . basic electrical activity associated with normal and abnormal heart rhythm
 - ARC Guidelines and/or State/Territory regulations, legislation and policies relating to provision of first aid
 - Procedures for dealing with major and minor accidents in the workplace
 - Infection control principles and procedures, including using standard precautions
 - How to gain access to and interpret material safety data sheets (MSDSs)
 - Company/organisation standard operating procedures (SOPs)
 - Priorities of management in first aid
 - Occupational health and safety requirements in the provision of first aid.
 - Capabilities of emergency management services
 - First Aiders' skills and limitations
 - Safe storage and handling procedures for pressurised gases, oxygen and battery operated equipment
 - Chain of survival, including:
 - . purpose of bystander CPR
 - . aim and function of Advanced Resuscitation techniques in the Chain of Survival
 - Benefits of providing oxygen to a casualty and of providing suction during the application of advanced resuscitation techniques
- First aid management procedures in accordance with ARC Guidelines, State/Territory regulations, legislation and policies and organisation requirements for equipment and conditions identified in the Range Statement and including:
 - use of bag valve mask device, AED, oxygen therapy equipment, manual and oxygen powered suction, and oropharyngeal airways
 - sudden cardiac arrest
 - collapse, unconsciousness
 - shock
 - airway management including foreign body airway obstruction
 - hypoxia
- Incident management procedures:
 - manual handling, hazardous substances, dangerous goods or chemicals
 - safe access to the casualty
 - awareness of confined spaces and dangerous places
 - removal of casualty to safe area, if appropriate
 - coordinate activities of other first aiders, if applicable

Essential knowledge cont:

- Complications and associated methods of management for conditions identified in the Range Statement
- State and territory regulations, or organisation policy requirements relating to currency of skill and knowledge
- Social issues, especially in particular workplace or community context(s) in which first aid is to be applied, including:
 - importance of debriefing
 - need to be culturally aware, sensitive and respectful
 - confidentiality
 - own skills and limitations
 - awareness of stress management techniques and available support

REQUIRED SKILLS AND KNOWLEDGE

Essential skills:

Ability to:

- Manage specific injuries/illnesses and conditions as identified in the Range Statement for this competency unit
- Conduct an initial casualty assessment
- Plan an appropriate first aid response in line with established first aid principles, policies and procedures, ARC Guidelines and/or State/Territory regulations, legislation and policies and industry requirements and respond appropriately to contingencies in line with own skills
- Apply appropriate resuscitation techniques, including use of:
 - oxygen in resuscitation and oxygen therapy
 - bag valve mask resuscitation device
 - AED
- mechanical and oxygen powered suction devices
 - oropharyngeal airways
- Demonstrate:
 - assembly of the bag valve mask resuscitation device
 - effective use of the bag valve mask device on a manikin
 - selection and use of an oropharyngeal airway
 - correct selection and operation of oxygen masks and cannulae
 - provision of oxygen to a bag valve mask device
 - provision of supplemental oxygen to a breathing patient
 - correct selection and operation of suction catheters and devices
 - safe manual handling
 - adequate infection control procedures
 - consideration of the welfare of the casualty
 - safe storage and handling procedures for pressurised gases and battery operated equipment
- Incorporate the use of all equipment into effective treatment of illness/injuries specified in the Range Statement
- Demonstrate the application of first aid principles
- Comply with OHS legislation
- Administer oxygen in line with state/territory regulations, legislation and policies and any available medical/pharmaceutical instructions
- Prepare a written incident report or provide information to enable preparation of an incident report

Essential skills cont:

- Interpret and use listed documents
- Communicate effectively and assertively and show leadership in an incident
- Make prompt and appropriate decisions relating to managing an incident in the workplace
- Use literacy and numeracy skills as required to read, interpret and apply instructions, guidelines and protocols
- Call an ambulance and/or medical assistance according to relevant circumstances and report casualty's condition