



**COWLEY COLLEGE
& Area Vocational Technical School**

COURSE PROCEDURE FOR

**NEWBORN RESUSCITATION
ALH5661 1 Credit Hour**

Student Level:

This course is open to students on the college level in freshman or sophomore level.

Catalog Description:

ALH5661 - NEWBORN RESUSCITATION (1 hr)

The purpose of the American Heart Association Course is to provide students with the knowledge, psychomotor ability and attitudes necessary to manage a neonatal resuscitation. Students will be able to respond to these emergencies, with an emphasis on rapid assessment and recognition, airway management, treatment knowledge, pharmacological intervention and post-resuscitation management. Typical students are respiratory therapists, pharmacists, physicians, nurses or paramedics.

Prerequisite:

Current AHA Health Care BCLS affirmation.

Controlling Purpose:

This course is designed to provide students with the knowledge, psychomotor ability and attitudes necessary to manage a neonatal resuscitation. Typical students are respiratory therapists, pharmacists, physicians, nurses or paramedics.

Learner Outcomes:

Upon completion of the course, the student will develop competencies in managing neonatal resuscitations. Students will be able to respond to these emergencies, with an emphasis on rapid assessment and recognition, airway management (including meconium aspiration), sequential treatment modalities, pharmacological intervention and special resuscitation management.

Units Outcomes and Criterion Based Evaluation Key for Core Content:

The following defines the minimum core content not including the final examination period. Instructors may add other content as time allows.

Evaluation Key:

- A = All major and minor goals have been achieved and the achievement level is considerably above the minimum required for doing more advanced work in the same field.
- B = All major goals have been achieved, but the student has failed to achieve some of the less important goals. However, the student has progressed to the point where the

- C = goals of work at the next level can be easily achieved.
 All major goals have been achieved, but many of the minor goals have not been achieved. In this grade range, the minimum level of proficiency represents a person who has achieved the major goals to the minimum amount of preparation necessary for taking more advanced work in the same field, but without any major handicap of inadequacy in his background.
- D = A few of the major goals have been achieved, but the student's achievement is so limited that he is not well prepared to work at a more advanced level in the same field.
- F = Failing, will be computed in GPA and hours attempted.
- N = No instruction or training in this area.

UNIT I: NEONATAL RESUSCITATION						
Outcomes: The student will gain the ability to perform a neonatal resuscitation.						
A	B	C	D	F	N	Specific Competencies
						The student will demonstrate the ability to:
						List the three primary signs used for evaluating a neonate during a resuscitation
						Describe how to intervene to prevent progression to cardiopulmonary arrest
						Describe how to utilize a BVM
						The student will demonstrate the ability to:
						Perform neonatal basic life support
						Perform BVM ventilations
						Utilize the various types of oxygen delivery systems and airway adjuncts
						Perform endotracheal intubation
						Place an intraosseous needle in the tibia bone
						Perform meconium aspiration
						The student will be able to:
						Describe the various types of oxygen delivery systems and airway adjuncts
						List the advantages and disadvantages of endotracheal intubation
						The student will demonstrate the ability to discuss the indications, mechanism of action and dosages for the following pharmaceutical agents:
						Epinephrine
						naloxone hydrochloride
						dopamine hydrochloride
						Glucose
						sodium bicarbonate
						The student will be able to:
						List the correct endotracheal tube size for full and preterm neonates

						Describe problems associated with airway adjunct use
						Describe primary and secondary apnea
						Describe how to position and stimulate a neonate
						The student will be able to:
						List the indications for NG tube placement
						Demonstrate an understanding of peripheral and central venous infusions
						Describe intraosseous needle placement
						The student will demonstrate the ability to:
						List the required equipment for a neonatal resuscitation
						Perform an assessment
						Elicit an appropriate history
						The student will be able to:
						List the medications used in shock
						Describe fluid resuscitation for the neonate
						Describe the inverted pyramid of neonatal care
						List the three indications for positive pressure ventilations
						List three signs which signify that a neonate is improving
						The student will be able to:
						State the rate at which chest compressions should be performed
						Develop priorities for treatment
						State the rate at which ventilations should be administered to a neonate
						Describe the sequence and priorities for neonatal resuscitation
						Describe how to manage the infant who is born with specific problems or under special circumstances

Projects Required:

As assigned. A project may be required and will be explained by the instructor.

Textbook:

Contact Bookstore for current textbook.

Materials/Equipment Required:

None

Attendance Policy:

Students should adhere to the attendance policy outlined by the instructor in the course syllabus.

Grading Policy:

The grading policy will be outlined by the instructor in the course syllabus.

Maximum class size:

Based on classroom occupancy

Course Timeframe:

The U.S. Department of Education, Higher Learning Commission and the Kansas Board of Regents define credit hour and have specific regulations that the college must follow when developing, teaching and assessing the educational aspects of the college. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work for approximately fifteen weeks for one semester hour of credit or an equivalent amount of work over a different amount of time. The number of semester hours of credit allowed for each distance education or blended hybrid courses shall be assigned by the college based on the amount of time needed to achieve the same course outcomes in a purely face-to-face format.

Refer to the following policies:

[402.00 Academic Code of Conduct](#)

[263.00 Student Appeal of Course Grades](#)

[403.00 Student Code of Conduct](#)

Disability Services Program:

Cowley College, in recognition of state and federal laws, will accommodate a student with a documented disability. If a student has a disability which may impact work in this class and which requires accommodations, contact the Disability Services Coordinator.