

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: NRP(Neonatal Resuscitation Program)Provider Course
Semester Course Prefix and Number: EMTP 2360
Old Quarter Course Prefix and Number:

Submitted By:
Approval Date:
Revision Date:

Number of Credits: 1
Semester(s) Offered:
Class Size:

Number of Lecture Credits: 1
Number of Lab Credits: 0 Number of Lab Hours:
Number of Studio/Demonstration/Internship Credits:

Negotiated by AASC on:
(date)

Course Purpose Code:

- 0 - Developmental Courses
1 - Non-transferable
X 2 - Technical course related to career programs
3 - College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
4 - Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
5 - Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
9 - Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This course will result in the certification from the American Heart association for NRP. The course leads to awarding of a certificate upon successful completion of the class.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): Current CPR-Experienced Health Care Provider certification, RN, Paramedic,
Reading Prerequisite: Respiratory Care Therapist; or current second year Paramedic student, and
Composition Prerequisite: approval of the instructor

Mathematics Prerequisite:

Career Programs and Transfer Majors Accessing this Course:

Medical Field

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. Curriculum Committee review and the Chief Academic Officer's approval are required.)

- 0. X None
1. Communications
2. Critical Thinking
3. Natural Sciences
4. Mathematical/Logical Reasoning
5. History and the Social and Behavioral Sciences
6. The Humanities and Fine Arts
7. Human Diversity
8. Global Perspectives
9. Ethical and Civic Responsibility
10. People and the Environment

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

- The changes in physiology that occur when a baby is born
The risk factors that can help predict which babies will require resuscitation

- The equipment and personnel needed to resuscitate a newborn
- How to decide if a newborn needs to be resuscitated
- Resuscitate newborns when merconium is present
- Open the airway, and provide the initial steps of resuscitation
- Provide free- -flow oxygen when it is needed
- When to give bag-and-mask ventilation and evaluating its success
- The difference between flow-inflating and self-inflating bags, along with their operations and testing and troubleshooting of each
- The correct placement of masks on the newborn's face
- When to begin and stop chest compressions
- How to administer chest compressions and coordinating with positive-pressure ventilation
- When & why endotracheal intubation is indicated along with preparing equipment, insertion of laryngoscope, correct tube placement, suctioning, and administering positive-pressure ventilation
- When to administer medications during resuscitation
- How to administer epinephrine through an endotracheal tube and umbilical vein
- When and how to administer fluids intravenously to expand blood volume
- When and how to administer sodium bicarbonate to correct metabolic acidosis
- Special situations that may complicate and cause ongoing problems in the resuscitation process
- Ethical considerations regarding starting and stopping resuscitation
- Subsequent management of the baby who has required resuscitation
- How the principles in this program can be applied to babies who require resuscitation beyond the immediate newborn period outside the hospital delivery room

Student Assessment Methods:

Standard examinations and quizzes

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

Appropriate paramedic instructional materials

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Course Outline Revision History:

This course will result in the certification from the American Heart Association for NRP.

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: March 2010