

# **Sample Clinical Course Syllabus**

RES 4445  
CLINICAL PRACTICUM III

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES  
COLLEGE OF HEALTH RELATED PROFESSIONS

DEPARTMENT OF RESPIRATORY CARE

4 CREDIT HOURS  
270 CLINICAL HOURS

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## 1.0 **GENERAL INFORMATION**

### 1.1 Catalog Description

A continuation of Clinical Practicum II; includes neonatal and diagnostic procedures and practices.

### 1.2 Course Rationale

The graduate respiratory therapist will be expected to apply basic respiratory care modalities to patients in a safe and effective manner. This course will provide the student with a continuation of adult critical and neonatal critical respiratory care experience and an introduction to pulmonary function studies, the bronchoscopy laboratory, and cardiovascular monitoring. The content is designed to correlate with the procedure and theoretical background presented in RES 4341 Advanced Assessment and Diagnosis and RES 3324 Pediatrics and Perinatology.

### 1.3 General Course Objectives

Upon successful completion of this course, the student will:

1. Select, review, obtain and interpret data.
2. Select, assemble and check equipment for proper function, operation and cleanliness.
3. Initiate, conduct, and modify prescribed therapeutic procedures based on patient outcomes.
4. Demonstrate proficiency and competency in the safe delivery of respiratory care procedures of all required proficiencies which were not completed in RES 3226 Clinical Practicum II or RES 3231 Clinical Internship which included:

Manual Resuscitators (Setup & Ventilation via ET-Tube or Mask)

Suctioning (Endotracheal, Nasotracheal, or Tracheal)

In-Line Suctioning

Securing Artificial Airways

Cuff Management

Intubation

Extubation

In-Line Metered Dose Inhaler

In-Line Small Volume Nebulizer

Ventilator Setup

Routine Ventilator Check

Spontaneous Parameters

Capillary Blood Gases

Neonatal/Pediatric Oxygen Therapy

Neonatal/Pediatric Ventilator Initiation

Neonatal/Pediatric Ventilator Monitoring

Neonatal Nasal CPAP

Neonatal/Pediatric Suctioning (Bulb or ETT)

All proficiencies not completed in Clinical Practicum II or the Clinical Internship must be completed in Clinical Practicum III for program progression.

5. Complete five (5) of six (6) of the following required proficiencies prior to the end of the semester:

- Bedside Spirometry
- Spirometry
- Nitrogen Washout **OR** Helium Dilution
- Diffusion Study
- Body Plethysmography
- Pulmonary Function QA

All proficiencies not completed in Clinical Practicum III must be completed in Clinical Practicum IV for program completion.

6. Complete the following proficiencies as they are available. Proficiencies identified with an asterisk (\*) may not be available in all clinical sites. These proficiencies may be completed in Clinical Practicums III & IV. All proficiencies must be completed prior to program completion.

- Intubation\*
- Noninvasive Ventilator Setup\*
- Noninvasive Ventilator Check\*
- Ventilator Circuit Changes\*

7. Gain additional clinical experience through direct participation and/or observation of the following:

Breathing Exercises	Sleep Studies
Chest Assessment	Lung Scan
Charges	Computed Tomography Scan
Coughing	Magnetic Resonance Imaging
Isolation Procedures	Cardiac Catheterization
Mucous Clearing Adjuncts	Echocardiography
Transport with Oxygen	Pulmonary Artery Line Sampling
Tracheostomy Care	PA Pressure Measurement
Ventilator Graphics Analysis	Cardiac Output Measurement
Capnography	ABG Analyzer Quality Control
Bronchoscopy	Metabolic Assessment
Neonatal Nasal CPAP	Stress Testing
Surfactant Administration	

8. Successfully complete Advanced Cardiac Life Support (ACLS) training and testing.

## 2.0 **INSTRUCTIONAL METHODOLOGY**

### 2.1 General Techniques

The following general teaching techniques will be used during the course:

Demonstration	Practice
Directed Observation	

### 3.0 **INSTRUCTIONAL MATERIALS/SUPPLIES**

#### 3.1 References - Print Materials

The following print material concern this course. Note that the items marked with an asterisk (\*) are required for the course.

\*Advanced Cardiac Life Support, American Heart Association, 2000.

\*AARC Clinical Practice Guidelines (for the current year)

\*Clinical Practitioners Pocket Guide to Respiratory Care, 4<sup>th</sup> Edition, Oakes. Health Educator Publications, 2000.

### 4.0 **GENERAL EVALUATION PROCEDURES**

#### 4.1 Student Evaluation Procedures

The student's grade in the clinical course will be derived from a combination of Proficiency Evaluations, preceptor evaluations, attendance, and the completion of the Clinical Practicum Notebook.

In order to meet the minimum requirements for this course, the student must:

1. Successfully complete the required Proficiency Evaluations required for this course and successfully complete all required Proficiency Evaluations from Clinical Practicum II & the Clinical Internship that are incomplete. (Worth 10 Total Points / 25% of grade)
2. Earn acceptable ratings on student clinical evaluation forms completed by the student's clinical preceptor on a weekly basis. The sum of the twelve (12) weekly clinical evaluation forms will be averaged. See the attached evaluation forms. (Worth 10 Total Points / 25% of grade).
3. Have an acceptable clinical attendance record and complete any required makeups by December 31, 2004 in the event of absences. One (1) point will be deducted from the total available points for each absence. One-half (1/2) point will be deducted from the total available points for each tardy. (Worth 10 Total Points / 25% of grade).
4. Submit the completed clinical documentation to the Director of Clinical Education on the designated due dates. Failure to do so more than 5% of the time per semester is considered unacceptable. This includes daily log forms (2 points) documented in DataArc, clocking in & out on DataArc (1 point) physician interaction (1 point), assessments or Soap Notes (4 points), and a Clinical Faculty/Facility Site Evaluations (2 points). (Worth 10 Total Points / 25% of grade).
5. Obtain ACLS certification.
6. Maintain current CPR certification throughout the entire clinical course.

The final grade is derived by adding the four designated areas and dividing by the total possible (40) points to obtain a percentage score and a letter grade as follows:

A = 93-100%  
B = 85-92%  
C = 75-84%  
D = 70-74%  
F = Below 70%

of A grade of “C” or better must be earned in this course to meet the requirements for completion the professional program. A student will not earn a grade higher than “D” if he/she fails to meet the minimum requirement of obtaining ACLS certification during this course.

#### 4.2 Instructor Evaluation Procedures

Students will evaluate the program faculty using the CHRP Course/Instructor Evaluation Form. Students will evaluate the Clinical Faculty at the end of each affiliate rotation on forms provided by the Director of Clinical Education.

#### 4.3 Performance, Laboratory, Clinic, and Project Evaluation:

See Section 4.1

#### 4.4 Makeup and Retake Examinations:

If the student does not satisfactorily complete either the skills portion OR the procedural report section of a Proficiency Evaluation, **he/she will be allowed no more than two (2) retake attempts.**

It is the student’s responsibility to contact a program faculty member to schedule the retake. The retake must be scheduled within two (2) weeks of the original unsatisfactory evaluation. If the student fails to properly schedule the retake, the student cannot receive a passing grade for the course.

If the student receives an unsatisfactory rating on any part of the first retake, remedial assignments will be required with respect to the area of deficiency. It is the responsibility of the student to develop a remediation plan with the program clinical faculty. Following remediation, it is the student’s responsibility to schedule the Proficiency Evaluation with the same program faculty member. The retake must be scheduled within one (1) week of the second unsatisfactory evaluation. If the student fails to properly schedule the retake or fails to successfully complete the Proficiency Evaluation, the student will receive a grade of “D” for the course.

### 5.0 **GENERAL PROCEDURES**

#### 5.1 General Remarks

Students not receiving appropriate evaluations from clinical preceptors will be counseled by a member of the program faculty. Any student who is banned from clinical practice with the assigned clinical affiliate with which the clinical rotation is scheduled for inappropriate actions of any kind will be strongly considered for dismissal from the program. Attitudes, appearance, and actions must be proper and professional at all times.

### 6.0 **CLASS ATTENDANCE/CONDUCT/DRESS POLICY**

## 6.1 General Remarks

Students are expected to attend every day of scheduled clinical experiences. For further clarification of the attendance policy, dress code and general conduct code, refer to the UAMS/CHRP Department of Respiratory Care Clinical Policies & Procedures Manual, pages 7-10.

## 6.2 Session Absence Grading Effects

One (1) point will be deducted from total allowable points for attendance for each absence. All allowable absences shall be made up prior to the last day of the month in which the semester ends or an unsatisfactory grade will be assigned for the clinical course. Should a student exceed the allowable three absences s/he will be dismissed from the clinical setting and receive an unsatisfactory grade for the course.

In very unusual circumstances, the student will be given special consideration. Documentation explaining the circumstances of the absences and evidence that reasonable progress in the course is possible will be considered when making the determination of whether the student can continue.

## 6.3 Session Tardiness Grading Effects:

In order to foster development of positive work behaviors, students are expected to arrive at the clinical site on time for the designated shift. One-half (1/2) point will be deducted from total allowable points for attendance for each tardy. For clarification of clinical evaluation procedures, refer to the UAMS/CHRP Department of Respiratory Care Clinical Policies & Procedure Manual, page 7.

## 6.4 Conduct/Dress

Students should use professional judgment in their conduct and dress in all education settings. UAMS student ID badges should be worn at all times in all clinical affiliates. For clarification of clinical evaluation procedures, refer to the UAMS/CHRP Department of Respiratory Care Clinical Policies & Procedure Manual, pages 8-10.

## 7.0 **DUE DATES/DEADLINES**

Students are required to submit completed clinical documentation to the Director of Clinical Education at the conclusion of each of the following rotations:

- 1.) Neonatal/Pediatric Rotation
- 2.) Adult Critical Care/ Cardiovascular Rotation
- 3.) Pulmonary Function Rotation
- 4.) Bronchoscopy Laboratory Rotation

## 8.0 **SESSION SCHEDULES**

### 8.1 General Remarks

Clinical rotations will be scheduled by the Director of Clinical Education. The student should expect to spend a minimum of seven (7) hours per day in clinical learning activities (excluding lunch and breaks). Exact times will vary from one clinical affiliate to another. The critical care (adult\*, neonatal & pediatric) rotations will be twelve (12) hour shifts. Pulmonary function and

bronchoscopy laboratory rotations will be eight (8) hour shifts. \*In addition, the cardiovascular portion of the adult critical care rotation at Arkansas Heart Hospital will be eight (8) hour shifts.

## 8.2 Tentative Session Schedule:

Clinical rotations will begin on or after August 22, 2004 and end by December 1, 2004. The ACLS course is tentatively scheduled for Friday, November 12, 2004. The dates of November 30<sup>th</sup> and December 6<sup>th</sup> should be reserved by all students for makeup days.

## 9.0 **INSTRUCTIONAL STAFF**

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## 10.0 **POLICIES**

### **CHRP Copyright Policy and Disability Policy**

“The materials used in this course may include copyright protected materials provided for the personal educational use of the enrolled students and may not be further redistributed.”

“The CHRP disability policy is available upon request.”

