



North Central State College

MASTER SYLLABUS

2026-2027

- A. Academic Division: Health Sciences
- B. Discipline: Respiratory Care
- C. Course Number and Title: RESP 2390 Practicum III
- D. Assistant Dean: Dr. Jason Tucker, Ph.D.
- E. Credit Hours: 2.5
Practicum: 10 hours
Seminar: 1 hour
- F. Prerequisites: RESP1220, RESP1290
Co-requisite(s): RESP2330c, RESP2310c
- G. Last Course/Curriculum Revision Date: Fall 2023 Origin date: 12/22/2010
- H. Textbook(s) Title:
Oakes' Respiratory Care Pocket Guide
 - Author: Scot Jones, Dana Oakes
 - Copyright Year: 2026
 - Edition: 11th
 - ISBN: 9780932887702*Oakes' Ventilator Management Pocket Guide*
 - Author: Dana Oakes; Sean P. Shortall; Scot Jones
 - Copyright Year: 2022
 - Edition: 5th
 - ISBN: 9780932887498
- I. Workbook(s) and/or Lab Manual: None
- J. Course Description: This is a practicum course. The student will be assigned to a hospital 16 hours per week for 10 week (160 total hours) to work under the direct supervision of a practicum instructor. This is a continuation of RESP1290. This course provides practicum experience for the student to practice respiratory care skills the student obtained in RESP1210. The student will perform direct patient care in an ICU setting evaluating patients' medical records, assessing patients' oxygen therapy needs, practice administration/assessment of medical gas therapy, humidity/aerosol therapy, perform oxygen analysis, perform sterilization/infection control procedures, perform hyperinflation therapy, bronchopulmonary hygiene techniques on patients, airway management, bronchopulmonary hygiene, lung expansion therapy, intermittent aerosolize therapy via different modalities, dispensing respiratory pharmacologic agents, arterial blood gas punctures and analysis, mechanical ventilation, and airway management techniques including extubation. The student may be involved in emergency medical procedures including cardiopulmonary resuscitation and the use of manual resuscitators. Seminar time is provided at campus.

K. College-Wide Learning Outcomes:

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Collect, evaluate, and review existing data in the patients' record to assess the patient's cardiopulmonary system and make recommendations to initiate or modify therapy.	S.O.A.P. rubric, daily beginning week 2 Practical Final examination week 10
2. Perform the following procedures: a. Patient data: vital signs, chest assessment, patient assessment, x-ray interpretation b. Oxygen therapy: nasal cannula, simple mask, partial rebreather, non-rebreather, air entrainment mask, pulse oximetry, transport with oxygen, high flow nasal cannula c. Aerosol and humidity therapy: face tent, face mask, trach collar, t-piece, ultrasonic nebulizer d. Charting e. Aerosol drug administration : metered dose inhaler, dry powder inhaler, small volume nebulizer, in-line metered dose inhaler, in-line small volume nebulizer f. Hyperinflation therapy: incentive spirometry, intermittent positive pressure breathing g. Bronchial hygiene: chest physiotherapy, coughing, breathing exercises, mucous clearance adjuncts, MetaNeb, intrapulmonary percussive ventilation, h. Ventilatory care: ventilator setup, routine ventilator check, ventilator parameter change, ventilator graphics analysis, capnography i. Weaning from mechanical ventilation: weaning parameters, weaning j. Noninvasive positive pressure ventilation: noninvasive ventilator setup, noninvasive ventilator check k. Manual ventilation during transport, transport ventilation setup l. Suctioning procedures: endotracheal suctioning, nasotracheal suctioning, tracheal suctioning, in-line suctioning m. Endotracheal tube/tracheostomy care: securing artificial airway, cuff management, heat/moisture exchanger, extubation n. Arterial Blood Gasses: ABG Sampling, ABG Analysis, ABG Analyzer Quality Assurance	SOAP rubric, daily beginning week 2 Practical final examination week 10 Procedure check-off daily week 10 Student practicum evaluation, week 5 & 10

Outcomes	Assessments – How it is met & When it is met
3. Evaluate patient response to oxygen therapy and intermittent therapy (objective and/or subjective), mechanical ventilation, and make recommendations to modify therapy.	S.O.A.P. rubric, daily beginning week 2
4. Select, assemble, and troubleshoot all oxygen delivery systems, intermittent therapy devices and/or setups, and mechanical ventilators	Direct observation by instructor, daily. Procedure check-off beginning week 2 Practical Final week 10
5. Document oxygen, intermittent therapy, and mechanical ventilation in the patient medical record.	Direct observation by practicum instructor, daily. Procedure check-off beginning week 2.

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior
90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70–72	C-	1.67	Below Average
67–69	D+	1.33	Below Average
63–66	D	1.00	Below Average
60–62	D-	0.67	Poor
00–59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences. Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

Important information regarding College Procedures and Policies can be found on the syllabus supplement located at

<https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf>

Course Number: RESP 2390-51
Semester / Session: Summer 2026

Course Title: Seminar Hour
Start / End Date: 5-26-2026 thru 7-16-2026

In the Adult Acute Care Setting:

- • Patient Assessment
- • Continuous oxygen therapy for the critical patient
- • Intermittent therapy for the critical ill patient
- • Adult Mechanical Ventilation, indications, initiation, maintaining, mode, weaning
- • Waveform graphics and analysis
- • Trouble shooting equipment
- • Monitoring therapy and modifying care
- • Medication intervention and administration
- • EKG's
- • Hemodynamic Monitoring
- • Chest Tubes
- • Intubation/Extubating
- • Airway management, airways and suctioning
- • ABG puncture and analysis
- • CPAP, BI-LEVEL

III. Examination Policy:

1. The reasons for which a student will be excused from taking an examination ____NA for this course _____
 - a. Hospitalization (with documented verification)
 - b. Death in the immediate family (with documented verification)
 - c. Personal illness or illness in immediate family - (doctor's excuse required).
2. A student who misses an exam

IV. Class Attendance and Homework Make-Up Policy:

1. Class attendance is necessary to acquire the knowledge required to manage ventilator in ICU and Critical Care
2. Students are responsible for contacting Clinical instructor is a day will be missed and scheduling a time for making up the day according to clinical instructor's schedule

V. Classroom Expectations:

Students must remain professional in all aspects of the clinical setting. Maintain professionalism with staff and patients. Any unprofessionalism report can result in removal of practicum for the semester and possible dismissal of program. Uniforms must be worn with appropriate shoes. No sweatshirts allowed. Only appropriate lab jack is to be worn with uniform. You must wear badge acquired at the clinical site each day of clinical.