

**MACOMB COMMUNITY COLLEGE  
DIVISION OF CAREER SERVICES  
HEALTH & PUBLIC SERVICES DEPARTMENT  
RESPIRATORY THERAPY PROGRAM**

**FIRST DAY HANDOUT**

**COURSE NUMBER:** RSPT 1260

**COURSE TITLE:** CLINICAL INTERNSHIP I

**PREREQUISITE:** RSPT 1111, RSPT 1120, RSPT 1140, RSPT 1200, and RSPT 1210

**INSTRUCTOR:** Rick Zahodnic PhD, RRT-NPS, RPFT, AE-C  
[zahodnicr@macomb.edu](mailto:zahodnicr@macomb.edu)

**TIME:** CLINICAL: MONDAY – THURSDAY: By arrangement at clinical site and  
FRIDAY: 8:30 to 4:00 pm at college  
**OR** MONDAY, TUESDAY, THURSDAY, FRIDAY: By arrangement at clinical site  
and WEDNESDAY: 8:30 to 4:00 pm at college

**ROOM:** E-108 & E-109

**TELEPHONE NUMBER:** (586) 286-2033

**OFFICE NUMBER:** E 220-11

**OFFICE HOURS:** BY ARRANGEMENT

**REQUIRED TEXTS:**

1. Respiratory Therapy Program, Clinical Internship Manual – RSPT 1260
2. Mechanical Ventilation: Physiological and Clinical Applications 5<sup>th</sup> Edition by Susan P. Pilbeam & J.M. Cairo, 2012, ISBN 978-0-323-07207-6
3. Workbook to Accompany Mechanical Ventilation: Physiological and Clinical Applications, 5<sup>th</sup> Edition, by Susan P. Pilbeam & J.M. Cairo, 2012, ISBN 978-0323072083
4. Egan's Fundamentals of Respiratory Care by Wilkins, Stoller and Scanlan, Mosby, 9<sup>th</sup> Edition, 2008, ISBN 978-0-323-03657-3
5. Practical Math for Respiratory Care: A Text and Workbook by Raymond Sibberson, Mosby 1996, ISBN 0-8151-8001-2
6. Laboratory Manual
7. Laboratory Exercises for Competency in Respiratory Care by Thomas J Butler, F. A. Davis 2009, ISBN 0-8036-1378-4

## METHOD OF EVALUATION:

QUIZZES (7 total)	42%
PERFORMANCE EVALUATION (12 total)*	1%
FINAL PERFORMANCE EVALUATION	27%
FINAL EXAMINATION	<u>30%</u>
	100%

\*All Performance Evaluations must be passed with a satisfactory grade to pass the course.

**GRADING:** This course is graded as a Pass/Not Passing. The student must pass both the clinical rotation (as evidenced by acceptable performance in the clinical setting and completion of all clinical objectives, exams, papers and other work assigned by the clinical instructor) and the laboratory section (as evidenced by obtaining a passing grade as outlined by the following table):

		96 - 100%	A	92 - 95%	A-
89 - 91%	B+	86 - 88%	B	83 - 85%	B-
79 - 82%	C+	75 - 78%	C		
73 - 74%	D+	71 - 72%	D	70	D-
Below 70%	F				

**NOTE: A FINAL CLASS GRADE OF "PASS" IS REQUIRED TO CONTINUE IN THE RESPIRATORY THERAPY PROGRAM.**

## CLASS POLICIES:

1. If a student is unable to take an exam or quiz during the scheduled class period, the student **MUST** notify the instructor prior to the scheduled exam/quiz to be eligible to take a make up exam. The student may leave a message (286-2033) if the instructor cannot be reached. The student should then contact the instructor to arrange for the make-up exam/quiz prior to the next scheduled class period. If a student fails to follow this procedure, there will be no make-up exam/quiz and the student will receive a 0 for that exam/quiz. **ONLY ONE MAKE-UP EXAMINATION OR QUIZ WILL BE ALLOWED.**
2. Make-up exams or quizzes may be essay-based at the instructor's discretion.
3. Students who arrive late for any untimed quiz will be permitted time to complete the quiz equal to the time of the last student who arrived on time to complete the quiz. Timed quizzes and exams must be completed within the assigned time frame.
4. Tape recorders are permitted during lecture. **NO RECORDING IS PERMITTED DURING EXAM REVIEW.**
5. Attendance will be taken at the beginning of each class. Class participation is expected to fully grasp the material presented.

6. Any disciplinary problems (cheating, plagiarism, or conduct that is disruptive to the class, etc.) will be handled in accordance with the HANDBOOK ON RIGHTS AND RESPONSIBILITIES adopted by the Provost and the Standards Committee, January 18, 1994 and revised in April 2006. This handbook can be downloaded from the following link: <http://www.macomb.edu/NR/ronlyres/08393098-75E2-4DA0-B534-07B76A0E6DC2/0/StudentHandbook20091217.pdf>. Any person found cheating on exams or quizzes or committing plagiarism will be summarily dismissed from this course and faces suspension from the Respiratory Therapy Program.
7. All exams and quizzes are cumulative for the entire Respiratory Therapy Program
8. Test Review: Students who are present for test review must stay for the entire review and until all the tests are returned to the instructor. If a student fails to return a test to the instructor before leaving the room, that student will receive a -0- grade for that exam.
9. Quizzes and examinations will be multiple choice in nature.
10. The last day to drop a class for a "W" grade for the 2011 Summer Semester is **June 29, 2012**. Students must complete a withdrawal form at the Enrollment Office in G-120 at Center Campus. Failure to officially withdraw will result in a "Fail" grade for the course.
11. Method of Evaluation: The grade for this course will be based on both clinical performance and successfully passing the laboratory portion of the course as outlined above. The exams and quizzes will cover lecture material, reading assignments and homework assignments. Examinations and quizzes may be cumulative.
12. Testing Guidelines - Students are required to purchase Scantron test scanner forms from Campus (Follet) bookstores. **Purchase Scantron Form No. X-101864-PAR-L**. Students will be required to provide the instructor with **eight (8)** test scanner forms the first week of class. The instructor will then provide the test scanner form in the test packet at the time of testing.
13. Students are allowed to use a simple 4-function, non-programmable calculator for testing purposes. All mobile phones must be turned off and removed from the testing area.
14. Special Needs – Students are responsible for alerting the instructor regarding any special accommodations they may need. The instructor will put the student in touch with a special needs counselor.
15. Learning Assistance – Learning assistance and tutoring are available in the Library on Center Campus in C Building (586-286-2104) as well as in the Learning Center on Center Campus in C Building (586-286-2203).

## **PERFORMANCE EVALUATIONS**

The following performance evaluations must be completed to attain a passing grade for the course. Those marked with an asterisk **must** be completed by Friday, June 1, 2012. It is the student's responsibility to schedule and complete the performance evaluation.

- Nasotracheal Suctioning (\*)
- Intubation (\*)
- Cuff Pressure Monitoring (\*)
- Open Suctioning (\*)
- Closed Suctioning (\*)
- Tracheal Aspirate Sampling (\*)
- Tracheostomy Care (\*)
- Non-Invasive Ventilation (\*)
- Puritan-Bennett 840 Ventilator
- Dräger XL Ventilator
- Macquet Servo i Ventilator

## **CLINICAL ROTATION POLICIES**

1. Students must have the following in their possession at all times:
  - a. Results of Physical Exams
  - b. Verification of Hepatitis Vaccine or Waiver.
  - c. Titer of communicable diseases or verification of vaccine.
  - d. TB skin test results or chest x-ray results showing no active TB present.
  - e. Current BLS for Healthcare Provider card.
  - f. Pharmacology drug cards.
2. Students are required to wear the uniform as outlined below and are responsible for the cost of the uniform.
  - Royal Blue or White Standard Surgical Scrub Uniform
  - White Short Lab Jacket
  - White Leather Shoes
  - Goggles with Side Panels
  - MCC Patch
  - Identification Badge
3. Students are responsible for making their own arrangements for transportation to the clinical agency sites.
4. The clinical schedule will be determined by the Clinical Coordinator. Each student will be assigned to a number of different clinical sites. Once the schedule is completed, no changes will be made unless approved by the Clinical Coordinator.
5. Students are expected to maintain a clean, neat appearance in the clinical area. Daily bathing and oral hygiene are essential.
6. Hair must be clean and worn neatly, secured, and off the shoulder.

7. Fingernails are to be trimmed and kept clean. Acrylic nails, extensions or applications are not permitted in the clinical setting. If polish is used, it should be close to natural color.
8. Care must be taken to conceal body tattoos
9. Perfumes, hair sprays or after-shave lotions should be used in moderation.
10. Gum may not be chewed in the clinical facilities.
11. Students must have a functioning watch with a second hand.
12. MCC patch should be sewn to the upper left sleeve of the lab jacket.
13. Shoes must be kept clean and polished. They cannot be open toe, open back or multicolored sports shoes.
14. All uniforms are to be laundered and stain-free. Undergarments should not be detectable through the uniform.
15. Large, dangling earrings should not be worn. Rings are permitted, but for reasons of medical asepsis, anything other than a wedding band is discouraged.
16. Body piercing is limited to two ear piercings. No other visible body piercing is allowed in the clinical setting.
17. Specific uniform dress code can be found in the First Day Handout for the clinical course involved. The Clinical Coordinator will review specific requirements related to uniforms and necessary equipment for the clinical rotations prior to them commencing.
18. Smoking in clinical facilities is discouraged by health care providers and not allowed in some agencies.
19. Students will need to purchase a pocket calculator, scissors, black pens, note pads, stethoscope, and goggles with side panels.
20. Method of Evaluation: The grade for the clinical portion of this course is Pass/Fail. A "Pass" grade will be awarded based upon completion of the following:
  - a. It is the responsibility of the student to complete the clinical objectives each semester. Failure to complete the clinical objectives will result in an "FAIL" grade for the semester. The following clinical objectives must be completed:
    - i) Orientation
    - ii) Safety Regulations
    - iii) Pharmacology
    - iv) Pulmonary Function Testing
    - v) Arterial Blood Gas Testing
    - vi) Mechanical Ventilation
    - vii) Non-Invasive Ventilation
    - viii) Homework Assignments
    - ix) Physician Contacts
    - x) Patient Confidentiality

- xi) Last Day of Clinic Requirements
- b. The following Performance Evaluations:
  - i) Hand Washing (#1)
  - ii) Oxygen Supply Systems (#2)
  - iii) Oxygen Delivery Devices (#3)
  - iv) Oxygen Therapy (#5)
  - v) Oxygen Rounds (#6)
  - vi) Aerosol Therapy (#7)
  - vii) Metered Dose Inhaler (#8)
  - viii) Incentive Spirometry (#9)
  - ix) IPPB (#11)
  - x) Chest Physical Therapy (#12)
  - xi) Suctioning (#13)
  - xii) Manual Resuscitation – Adult (#14)
  - xiii) Manual Resuscitation – Infant (#15)
  - xiv) Intubation and Alternate Airways (#16)
  - xv) Arterial Blood-Gas Sampling (#18)
  - xvi) Pulse Oximetry (#29)
- c. Affective evaluations containing scores of greater than “1” in all categories.
- d. Satisfactory Attendance and Tardiness. In an effort to ensure adequate exposure to the practice of Respiratory Therapy in the clinical setting, the Student Handbook outlines that “an absence or tardy, beyond one per clinical course, will result in a disciplinary action”.
  - i) First clinical absence – No action taken.
  - ii) Second clinical absence – Student will be counseled and placed on probation. The clinical hours must be made up at the clinical instructor’s or Clinical Coordinator’s discretion. Failure to complete the make up day will result in an Incomplete (I) or a Failing (F) grade.
  - iii) Third clinical absence – Student will receive a Pass/Fail grade of Failing (F).
  - iv) Three instances of tardiness will be considered as one absence and is subject to disciplinary action as above.

21. Students **must notify both** the Hospital and the Clinical Coordinator when they are absent from clinic or if they are tardy. Notification of the Hospital and Clinical Coordinator **must** be done at least one hour before the start of the clinical session. Failure to notify the Hospital and the Clinical Coordinator in the required time frame will result in disciplinary action. (Probation for first occurrence). A second occurrence will result in dismissal from the Clinical Course and a failing grade (F).

22. A student will be considered tardy if they present to the clinical site after the assigned starting time. Instances of tardiness greater than 60 minutes will be considered an absence and are subject to the rules outlined above at the discretion of the Clinical Coordinator.

**CLASS SCHEDULE**

<b>DATE</b>	<b>LECTURE CONTENT</b>	<b>READING</b>
<p><b>Week 1:</b> <b>Monday, May 21</b></p>	<ul style="list-style-type: none"> <li>○ Orientation to RSPT 1260</li> <li>○ Review of RSPT 1210 Final Exam</li> <li>○ Module A-1 OPA/NPA</li> <li>○ <b>LAB I</b> – Pharyngeal Airways (p. 7)</li> <li>○ Module A-2 Suctioning</li> <li>○ <b>LAB II</b> – Nasotracheal Suctioning (p. 19)</li> <li>○ Module A-3 Intubation, Cuff Pressure Monitoring</li> <li>○ <b>LAB III</b> – Endotracheal Intubation and Cuff Pressure Monitoring (p. 43)</li> <li>○ Module A-4 Artificial Airway Suctioning</li> <li>○ <b>LAB IV</b> – Open Suctioning of the Artificial Airway (p. 59)</li> <li>○ <b>LAB V</b> - Closed Suctioning of the Artificial Airway (p. 64)</li> </ul>	<ul style="list-style-type: none"> <li>○ <b>Egan Chapter 8, pp. 174-180</b></li> <li>○ <b>Egan Chapter 33, pp. 694-700, 703, 706-712</b></li> <li>○ <b>Pilbeam &amp; Cairo: Chapter 13, pp. 266-269 and 271-272.</b></li> </ul>
<p><b>Tuesday, May 22</b></p>	<ul style="list-style-type: none"> <li>○ Tracheal Sampling</li> <li>○ <b>LAB VI</b> – Specimen Collection Procedure (p. 67)</li> <li>○ Module A-5 Trach Tubes</li> <li>○ Trach Care</li> <li>○ <b>LAB VII</b> – Tracheostomy Care (p. 80)</li> </ul>	<ul style="list-style-type: none"> <li>○ <b>Egan: pp. 704-706, 713-715, and 723-724</b></li> <li>○ <b>Pilbeam &amp; Cairo: pp. 465-466</b></li> <li>○ <b>Butler: Chapter 23, pp. 369-380</b></li> </ul>
<p><b>Wednesday, May 23</b></p>	<ul style="list-style-type: none"> <li>○ <b>QUIZ I</b></li> <li>○ Module B – Review of Principles Related to Mechanical Ventilation</li> <li>○ Module C - Pharmacologic Agents Used with Mechanical Ventilation</li> <li>○ OPEN LAB</li> </ul>	<ul style="list-style-type: none"> <li>○ <b>Pilbeam &amp; Cairo: Chapter 15</b></li> <li>○ <b>Colbert: Chapter 11</b></li> <li>○</li> </ul>
<p><b>Thursday, May 24</b></p>	<ul style="list-style-type: none"> <li>○ Module D-1 Review of Compliance and Resistance</li> <li>○ <b>LAB VIII</b> – Compliance and Resistance (p. 96)</li> <li>○ Module D-2 Basic Terms and Concepts of Mechanical Ventilation</li> <li>○ <b>LAB IX</b> - Ventilator Assembly And Operational Verification (p. 105)</li> </ul>	<ul style="list-style-type: none"> <li>○ <b>Pilbeam &amp; Cairo: Chapter 1, 2 (pp. 15-30), 11 (pp. 222-223) &amp; 15</b></li> <li>○ <b>Sibberson: Chapter 13</b></li> </ul>
<p><b>Friday, May 25</b></p>	<p><b>PEs</b></p> <ul style="list-style-type: none"> <li>○ <b>Nasotracheal Suctioning</b></li> <li>○ <b>Intubation</b></li> <li>○ <b>Cuff Pressure Monitoring</b></li> <li>○ <b>Open Suctioning</b></li> <li>○ <b>Closed Suctioning</b></li> <li>○ <b>Tracheal Aspirate Sampling</b></li> <li>○ <b>Trach Care</b></li> </ul>	

<b>Week 2: Monday, May 28</b>	<b>NO CLASS – MEMORIAL DAY HOLIDAY</b>	
<b>Tuesday, May 29</b>	<ul style="list-style-type: none"> <li>○ <b>QUIZ II</b></li> <li>○ Module E - Non-Invasive Ventilation</li> <li>○ Introduction to the Respronics Vision and V-60</li> <li>○ NIV Mask Fitting</li> <li>○ <b>LAB X</b> – Non-Invasive Ventilation with the BiPAP Vision (p. 127)</li> </ul>	○ <b>Pilbeam &amp; Cairo: Chapter 19</b>
<b>Wednesday, May 30</b>	<b>OPEN LAB</b>	
<b>Thursday, May 31</b>	<ul style="list-style-type: none"> <li>○ <b>QUIZ III</b></li> <li>○ Module F - How Ventilators Work</li> <li>○ Module G – How A Breath is Delivered</li> </ul>	○ <b>Pilbeam &amp; Cairo: Chapter 2 (pp. 23-30) &amp; 3</b>
<b>Friday, June 1</b>	PEs	
<b>Week 3: Monday, June 4</b>	<b>FIRST DAY OF CLINICAL</b>	
<b>Wednesday June 6 or Thursday, June 7</b>	<b>FIELD TRIP TO TRAIL’S EDGE CAMP</b>	
<b>Week 4: Wednesday, June 13 or Friday, June 15</b>	<ul style="list-style-type: none"> <li>○ <b>QUIZ IV</b></li> <li>○ Module H – Establishing the Need for Mechanical Ventilation</li> <li>○ Module I: Selecting the Ventilator and the Mode</li> <li>○ <b>LAB XI</b> - Introduction to 840, Dräger, and Servo i (p. 152)</li> <li>○ Exercise G on page 171</li> </ul>	○ <b>Pilbeam &amp; Cairo: Chapter 4 &amp; 5 (pp. 63-72)</b>
<b>Week 5: Wednesday, June 20 or Friday, June 22</b>	<ul style="list-style-type: none"> <li>○ <b>QUIZ V</b></li> <li>○ Module J: Initial Ventilator Settings and Final Considerations in Ventilator Set-Up</li> <li>○ <b>LAB XII</b> – Initiation of Mechanical Ventilation (p.193)</li> <li>○ <b>LAB XIII</b> - Auto-PEEP, Compliance, and Resistance Determination (p. 197)</li> </ul>	○ <b>Pilbeam &amp; Cairo: Chapter 6 (81-95)</b>
<b>Week 6: Wednesday, June 27 or Thursday, June 29</b>	<ul style="list-style-type: none"> <li>○ <b>QUIZ VI</b></li> <li>○ Module K - Initial Assessment Of The Mechanically Ventilated Patient</li> <li>○ Module L - Effects Of Positive Pressure Ventilation On The Heart And Thoracic Vessels</li> <li>○ Module M - Ventilator Waveform Analysis</li> <li>○ <b>LAB XIV</b> – Ventilator Graphics</li> </ul>	○ <b>Pilbeam &amp; Cairo: Chapter 7 (pp. 105-120) &amp; 8 (pp. 128-135)</b>



<b>Week 7:</b> Thursday, July 5 or Friday, July 7	<ul style="list-style-type: none"><li>○ <b>QUIZ VII</b></li><li>○ Open Lab</li></ul>	<ul style="list-style-type: none"><li>○ Pilbeam &amp; Cairo: Chapters 9, 10 (pp 177-195) &amp; 16</li></ul>
<b>Week 8</b> Monday, July 9, Tuesday, July 10, Wednesday, July 11, or Thursday, July 12	<b><u>FINAL EXAM &amp; PERFORMANCE ASSESSMENT</u></b>	

RSPT 1260 GRADING TEMPLATE

ITEM	GRADE	PERCENT	POINTS
Quiz I (6 points)		x .06	
Quiz II (6 points)		x .06	
Quiz III (6 points)		x .06	
Quiz IV (6 points)		x .06	
Quiz V (6 points)		x .06	
QUIZ VI (6 points)		x .06	
QUIZ VII (6 points)		x. 06	
Performance Evaluations (1 point)		x .01	
Final Performance Evaluation (27 points)		x. 27	
Final Exam (30 points)		x .30	
		TOTAL	