

## Midland College

### Master Syllabus

Program: Respiratory Care

Course Title: Clinical I

RSPT 1260

#### Course Description

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (0-0-6)

#### End-of Course Outcomes

As outlined in the learning plan, apply the theory, concepts, and skills, involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

#### Instructional Materials:

##### Text, References and Supplies:

Trajecsys Account

Kacmarek, R. M., Stoller, J. K., & Heuer, A. J. (2017). *Egan's Fundamentals of Respiratory Care* (12th). St. Louis, Missouri: Elsevier.

Respiratory Care Student Handbook

#### Course Objectives and Student Learning Outcomes

Upon successful completion of the course the student will:

During the course of Clinical I, students may perform, but are not limited to the following:

##### I. PATIENT DATA

##### A. Evaluate Data in the Patient Record

1. Patient history, for example
  - a) History of present illness (HPI)
  - b) Orders
  - c) Medication reconciliation
  - d) Progress notes
  - e) DNR status / advance directives
  - f) Social, family, and medical history
2. Physical examination relative to the cardiopulmonary system
3. Laboratory results, for example,

- a) CBC
  - b) Electrolytes
  - c) Coagulation studies
  - d) Sputum culture and sensitivities
  - e) Cardiac biomarkers
- 4. Imaging study results, for example
  - a) Chest radiograph
- 5. Trends in monitoring results
  - a) Vital signs
  - b) Noninvasive, for example: pulse oximetry
- 6. Determination of a patient's pathophysiological state
- B. Perform Clinical Assessment
  - 1. Interviewing a patient to assess
    - a) Level of consciousness and orientation, emotional state, and ability to cooperate
    - b) Level of pain
    - c) Shortness of breath, sputum production, and exercise tolerance
    - d) Smoking history
    - e) Environmental exposures
    - f) Activities of daily living
    - g) Learning needs, for example: Literacy, Preferred learning style, Social/cultural
  - 2. Performing inspection to assess
    - a) General appearance
    - b) Characteristics of the airway, for example: Patency, Tracheal shift
    - c) Cough, sputum amount and character
    - d) Skin integrity, for example: Pressure ulcers
  - 3. Palpating to assess
    - a) Pulse, rhythm, intensity
    - b) Accessory muscle activity
    - c) Asymmetrical chest movements, tactile fremitus, crepitus, tenderness, tactile rhonchi, and / or tracheal deviation
  - 4. Performing diagnostic chest percussion
  - 5. Auscultating to assess
    - a) Breath sounds
    - b) Blood pressure
- C. Perform Procedures to Gather Clinical Information
  - 1. 12-lead ECG
  - 2. Noninvasive monitoring, for example
    - a) Pulse oximetry
  - 3. Cardiopulmonary calculations, for example
    - a) P(A-a)O<sub>2</sub>
- D. Evaluate Procedure Results
  - 1. Noninvasive monitoring, for example
    - a) Pulse oximetry
  - 2. Cardiopulmonary calculations, for example,
    - a) P(A-a)O<sub>2</sub>
- E. Recommend Diagnostic Procedures

1. Noninvasive monitoring, for example
    - a) Pulse oximetry
- II. TROUBLESHOOTING AND QUALITY CONTROL OF EQUIPMENT, AND INFECTION CONTROL
- A. Assemble / Troubleshoot Devices
    1. Medical gas delivery, metering, and/or clinical analyzing devices, for example
      - a) Regulator
      - b) Gas cylinder
    2. Noninvasive monitoring, for example
      - a) Pulse oximeter
  - B. Ensure Infection Prevention
    1. Adhering to infection prevention policies and procedures, for example
      - a) Standard Precautions
      - b) Donning/doffing
      - c) Isolation
    2. Adhering to disinfection policies and procedures
    3. Proper handling of biohazardous materials
- III. INITIATION AND MODIFICATION OF INTERVENTIONS
- A. Provide Respiratory Care Techniques in High-Risk Situations
    1. Intra-professional communication

**Student Contributions, Responsibilities and Class Policies:**

Each student will spend at least 8 hours per week preparing for class. Attendance is critical in this class. All clinical performance and behavior are considered academic. Students are expected to observe the guidelines for behavior in the clinical agency:

1. Students are to adhere to the guidelines outlined by the clinical agencies during orientation.
2. Students may not bring children to the clinical agency at any time.
3. Students should be in the clinical agency only when supervised or with the permission of their instructor. In those instances, students should adhere strictly to agency guidelines in terms of chart review, visiting with patients and proper attire.
4. Students are to park in designated areas only.
5. Students may not use cell phones in the clinical setting.
6. Students are subject to all policies regarding drugs, alcohol, and criminal background checks of assigned clinical facilities, including drug screening prior to starting a clinical rotation, random drug testing and background checks.

**Evaluation Method:**

<b>Clinical Competencies (Course Objectives I, II, and III)</b>	<b>40%</b>
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The following is a list of clinical competencies that must be completed by the last week of scheduled

rotations:

- **Patient Assessment**

- **Vital Signs**

The above competencies must have three “Assisted” or “Performed” documented in Trajecsyst, prior to the instructor evaluation for competency. During the instructor evaluation the student must satisfactorily PASS the competency evaluation items, including core components. At that time APPROVE will be documented in Trajecsyst and the student will receive a 100% for the competency evaluation. If the student does not satisfactorily PASS the competency evaluation items, including core components, the competency will be documented as NOT APPROVED in Trajecsyst, the student will receive a 50% for that attempt, and may have one attempt at re-evaluation after approved remediation. Upon re-evaluation, the student must satisfactorily PASS the competency evaluation items, including core components; however an average of the two attempts (75%) will be recorded in the grade book. If the student is unsuccessful on the re-evaluation, they will be removed from the course.

**Clinical Evaluation (Course Objectives I, II, and III) 20%**

Each clinical instructor will complete one clinical evaluation on each student assigned to their rotation.

**Weekly Journal Entry 10%**

Each student will reflect on their clinical experience each week in clinic I rotation. The student will discuss their most impactful experience and/or moment in written format as an online assignment. This entry will be available beginning October 18<sup>th</sup>, and each entry will open on Tuesday per week. Each entry will remain open until the next Sunday, therefore giving the entire clinical week to complete the assignment. This entry will have a minimum entry of 250 words. The student will receive a 50% if the minimum entry of words is not met. The student will receive a zero for the following: if there was any week the student attended that is not notated in the journal or if the journal is not turned in by the due date assigned.

**Final Examination 20%**

A written final examination will be administered during the scheduled finals week. It will be comprehensive for the entire semester classes.

Each student is expected to take exams as scheduled. If an exam is missed for any reason, the student must take the exam on the student’s first day back on campus or a grade of “0” will be recorded for the missed exam. Ten percent will automatically be deducted from the make-up exam score. No more than two exams per semester may be made-up (for each course). Exams may not be taken early in any class. Final exams must be taken at the scheduled time without exception.

**All final exams must be taken to proceed within the respiratory care program.**

**Required Tasks 5%**

- Trajecsys Log Requirements: All students will be required to have documented a minimum of 3 “Assisted” and/or ”Performed” logged and approved in Trajecsys in the following areas:
  - **Pulse Oximetry**
  - **Nasal Cannula**
- **Clinical Rotation Evaluations:** The student will be required to complete the following evaluations at the end of the semester:
- **Clinical Site Evaluation**  
**1 for each site: ORMC, MCH, and MMH**
- **Clinical Instructor Evaluation**
- **Proof of Professional Credits:** Professional Credit selection is due on **September 30<sup>th</sup>, 2022**. See Professional Credit attachment at the end of the syllabus. **\*\*Professional credits are due on November 22<sup>nd</sup>, 2022.**

*These tasks will be completed by the student no later than November 29th, 2022 at 2359. If late or incomplete, the student will receive a ZERO in the gradebook.*

**Grading Standards:**

<b>A</b>	<b>90-100%</b>
<b>B</b>	<b>80-89%</b>
<b>C</b>	<b>70-79%</b>
<b>D</b>	<b>&lt;70%</b>

**\*\*\*NO LATE PAPERWORK WILL BE ACCEPTED\*\*\***

**Attendance:**

Your attendance is the biggest predictor of your success. Attendance every clinical day is expected, however, you are allowed **TWO** days of absence. Attendance at post conference is **REQUIRED**.

Every absence over the two days will decrease the final grade for clinical by 10%. If the students are more than 15 minutes late to clinical rotations or post conference, this will constitute an absence. 3 tardies count as 1 day absent. **See “Academic Standards” and “Attendance for Clinical” in the student handbook for the proper procedure.**

Any absence or tardy will be reported to the assigned clinical instructor.

**Course Schedule:**

Days: Tuesday and Thursday

Time: 0600 – 1200 pm at Midland Memorial Hospital & Medical Center Hospital

0515 – 1115 at Odessa Regional Medical Center

0600 – 1200 Medical Center Hospital

\*\*Times other than normal report times such as EKG/diagnostics will be listed on the clinical schedule.

**Instructor’s Information**

**Safety Training:**

Students receive annual training in the following: blood and air borne pathogens, electrical safety, back safety, hazardous chemicals, latex allergies, fire and disaster procedures, security and personal safety procedures and safety requirements of clinical facilities. Students must maintain current CPR, immunizations, and health insurance during all clinical courses.

**Division Information:**

Division Chairman: Miranda Poage, PhD

Division Office Location and Telephone: 208, 685-4600

**Americans with Disabilities Act (ADA):**

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the Counselor/Disability Specialist at 432-685-4505 as soon as possible. The office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.

**NON-DISCRIMINATION STATEMENT:**

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its program and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies:

**Wendy A. Kane**

Dean of Student Life

Midland College

Title IX Coordinator/Compliance Officer

3600 N. Garfield, SSC 131

Midland, TX 79705

(432) 685-4781

[Title9@midland.edu](mailto:Title9@midland.edu)

For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

**Licensure Eligibility Notification**

Completion of Midland College degrees and/or certificates does not guarantee eligibility to take a certification/registry/licensure examination. The eligibility of each person is determined on an individual basis by the regulatory body of the specific discipline. If you have a conviction of a crime other than a minor traffic violation, physical or mental disability/illness, hospitalization/treatment for chemical dependency within the past five years, current intemperate use of drugs or alcohol or a previous denial of a licensure or action by a licensing

authority, you will need to contact the specific regulatory body for an individual ruling. Some programs require a criminal background check and urine and drug screen.

Professional Credits are a requirement for each clinical course in the Respiratory Care Program. You must earn a minimum number of credits each semester to successfully complete each clinical course. The number of required of professional credits per semester is as follows:

RSPT 1260	Clinical I	8 Credits
RSPT 1360	Clinical II	8 Credits
RSPT 1362	Clinical III	10 Credits
RSPT 2360	Clinical IV	10 Credits
RSPT 2361	Clinical V	10 Credits
Activities		Credits
Continuing Education (CEU's): Online or in-person		2 credits per hour
Article Summary		2 credits
Original research paper		10 credits
Community service (must obtain permission from faculty before performing community service)		1 credit per hour
TSRC/AARC membership		5 credits
Sputum Bowl Participation		8 credits
Attend TSRC convention		5 credits
TSRC student volunteer		10 credits
Attend "Better Breathers" club		2 credits per hour
In-services		2 credit per hour
Create instructional video for social media platform (must obtain permission from faculty on topic and video approval)		3 credits per video
Create recruitment video for social media platform (must obtain permission from faculty for video approval)		3 credits per video
Create a TikTok Challenge (must obtain permission from faculty on topic and video approval)		3 credits per video
Volunteer opportunity directly related to healthcare (must be approved)		2 credit per hour
Respiratory Care Week Activity		5 credits per hour
Welcome Week Activity		5 credits per hour
**Great American Smokeout (Clinic IV and V)		5 credits per hour
**A&P/classroom recruitment (Clinic IV and V)		5 credits per class visit
**Respiratory recruitment/respiratory promotion event (Clinic IV and V)		5 credits per hour
Article Summary from a Respiratory Care publication or Chest, Heart & Lung, etc.		3 credits per article
Attend local RC seminars/symposia		3 credits per hour

Each reported professional credit should be submitted with supporting documentation verifying the professional credit (examples: receipts, copy of membership card, CEU certificates, clinical instructor signature for in services, etc.) The deadline for turning in professional credits and all supporting documentation for each semester is one two weeks prior to the last day of class. Failure to turn in professional credits prior to this deadline will result in a zero for this portion of the grade. Please upload and submit all required professional credit documentation to canvas along with the professional credits form that indicates what credits you have chosen. If the professional credit selected does not provide sufficient documentation, please use the proof form attached for documentation. Please see specific course syllabus for selection due dates.

There will be a limit on how many types of professional credit you can complete each semester. For example, you cannot do *all* social media videos/challenges to achieve credits for the semester. You must choose a mix of options to achieve the points. If you have specific questions, please refer to one of the faculty members for further instructions.

## ***Professional Credits***

Name: \_\_\_\_\_

Semester: \_\_\_\_\_

Professional Credit Activities

Credits





Class:

Professional Credit:

Hours Attended:

Notes:

Student Signature:

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Program organizer/supervisor name(print):

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Program organizer/supervisor signature:

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Date:

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**Examples:**

**Continuing Education (CEU's): Online or in-person**

Any AARC approved CEU's that provide a certificate of completion. These can be found on various websites such as the AARC, TSRC, Passy Muir, last min ceu's.

**Article Summary** from a Respiratory Care publication or Chest, Heart & Lung, AVA etc. (Instructor must approve topic)

<b>Original research paper</b> - complete a research paper on a topic of your choice. Find a topic that you might like to research (instructor must approve topic). Research paper must be 5-6 pages long.
<b>Community service</b> (must obtain permission from faculty before performing community service) <i>Examples:</i> Church activities, helping hands, food bank etc.
<b>TSRC/AARC membership</b>
<b>Sputum Bowl Participation</b> – Occurs during the TSRC convention, sputum bowl
<b>Attend TSRC convention</b> - occurs every July – you are required to attending the program, so it's basically free professional credits!
<b>TSRC student volunteer</b> – You can volunteer when you attend in July or you can volunteer during any local seminar hosted by the TSRC.
<b>Attend “Better Breathers” club</b> - Meets the third Thursday of every month at 11:30 at Midland Memorial Hospital (located in the private dining). Contact Don Hill for more information.
<b>In-services:</b> you can attend in-services at the hospital if they are offered, however if you work there and they are required, this does not count. This must be something extra that you attend in a student capacity.
<b>Create instructional video for social media platform</b> (must obtain permission from faculty on topic and video approval) <i>Example:</i> Create a how-to video, about a disease process or complex procedure, make it fun and inventive in terms of explaining it.
<b>Create recruitment video for social media platform</b> (must obtain permission from faculty for video approval) – <i>Example:</i> Create a video about how amazing the profession of respiratory is and about your experiences at midland college
<b>Create a respiratory related TikTok Challenge</b> (must obtain permission from faculty on topic and video approval) – <i>Example:</i> Create a challenge for disease awareness and challenge another school to do the same.
<b>Volunteer opportunity directly related to healthcare</b> (must be approved)
<b>Respiratory Care Week Activity</b> <i>Examples:</i> <ul style="list-style-type: none"> <li>- Bake cookies for RT's at the hospital and distribute</li> <li>- Make cards/banner for RT's at the hospital and distribute</li> <li>- Anything thoughtful/fun we can do for the RT community</li> </ul>
<b>Welcome Week Activity</b>
<b>**Great American Smokeout (Clinic IV and V)</b>
<b>**A&amp;P/classroom recruitment (Clinic IV and V)</b>
<b>**Respiratory recruitment/respiratory promotion event (Clinic IV and V)</b>
<b>Attend local RC seminars/symposia</b> – Attend local TSRC, AARC, or other respiratory related local seminars that provide proof of CE's or attendance.