This course is a method of instruction providing detailed education, training and work based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course. On site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Prerequisite: RSPT 1360

**Text, References, and Supplies:**

- Dataarc.ws clinical software

**Course Goals/Objectives:** Upon successful completion of the course the student will:

1. explain intubation criteria
2. explain mechanical ventilation criteria
3. perform endotracheal intubation
4. perform mechanical ventilation
5. record patient parameters
6. record ventilator parameters
7. assess ventilator patient
8. describe CPAP
9. describe IMV
10. describe SIMV
11. describe optimum PEEP
12. describe optimum tidal volume
13. transport ventilator patient
14. demonstrate arterial puncture
15. demonstrate arterial line use
16. analyze blood gases
17. interpret blood gas results
18. describe blood gas QC
19. perform basic spirometry
20. analyze PFT results
21. complete competency evaluations
22. present case study
23. submit 11 abstracts

Student Contributions and Class Policies:

Each student will spend at least 6 hours per week preparing for class. Attendance is critical in this class.

All clinical performance and behavior is considered academic.

Evaluation of Students:

A. Tasks completed/competency evaluations 70%
B. Participation, and Attitude 10%
C. Behavior 10%
D. Case Study 10%

Total 100%

Course Schedule:

The clinical will meet on Tuesday and Thursday from 0615 to 1345

A. A tardy results from being more than fifteen (15) minutes but not more than thirty (30) minutes late for the start of the shift. The student should be there in time to receive report. An absence results from being more than thirty minutes late or leaving the clinical facility without proper authorization from the clinical instructor or not attending clinical at all. After using the allowed absence (8 hrs.), the equivalent percentage of final grade reduction is as follows:

After using the allowed absence the equivalent percentage of final grade reduction is as follows:

<table>
<thead>
<tr>
<th>Deduction</th>
<th>Data Arc Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>No deduction</td>
<td>52.5 +</td>
</tr>
<tr>
<td>10% deduction</td>
<td>45 – 52.4</td>
</tr>
<tr>
<td>20% deduction</td>
<td>37.5 – 44.9</td>
</tr>
<tr>
<td>30% deduction</td>
<td>&lt; 37.4</td>
</tr>
</tbody>
</table>

Students are not required to use the one allowed absence and are strongly encouraged to use it judiciously and toward the end of the semester, if possible, in case extenuating circumstances should arise. Extenuating circumstances should be brought to the attention of the faculty as soon as possible.

***** The student is responsible for notifying the clinical site and clinical instructor if the student is going to be absent.
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.

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. For further information on notice of non-discrimination, visit http://wdcrobcollp01.ed.gov/CFAPPS/OCR/contactus.cfm or call 1 (800) 421-3481.

Spanish
Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. Para más información sobre estas políticas no discriminatorias , visite http://wdcrobcollp01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.
Behavior in the Clinical Agency

Students are expected to observe the following guidelines for behavior in the clinical agency:

- Students are to adhere to the guidelines outlined by the agency during orientation.
- Students may not bring children to the clinical agency at any time.
- Students are to park in designated areas only.
- 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, cell phone usage, visiting with patient and proper attire.
- Students may not use cell phones in the clinical setting.
- Pager/beepers, if used, must be set on silence during clinical.
- 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.

In general, it is expected that students remain at the clinical agency/organization/facility for the entire time period assigned. Students should not expect to run personal errands or otherwise leave the clinical site during scheduled meal times or breaks. Emergency requests are granted at the discretion of the instructor and no student shall leave the clinical site without instructor approval prior to leaving.

SAFETY TRAINING:

Students receive annual preclinical 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 will provide documentation of current CPR, immunizations, and health status.
Instructor Information:
Name: Bob Weidmann, M.Ed., RRT-NPS, RPFT, RCP
Office Location: A 34 AMS
Office Telephone: 432/ 685-5549
Home Telephone: 432/ 697-4725
Cell number: 432/ 853-6403
E-Mail Address: rweidmann@midland.edu
Office Hours: Mon/Wed 8:30 – 10:30, 1:30 – 4:30
Tues/Thurs 8:30 – 11:00 **
** clinical site

Division Dean and Secretary Names: Dr. Carmen Edwards and Karen Harris
Division Office Location and Telephone: 206 DHS, 685-4600

Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor’s availability at a specific time.

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Clinical III

Student ________________________   Final Grade _________

70% Competencies ________
10% Participation _________
10% Behavior ____________
10% Case Studies _________
Total ________

Participation (10%)  Case Study (10%)  Behavior (10%)
____ Abstracts _4_  _____ #1  _____ average
____ Abst state _7_
____ Verified Daily Logs _10_

Competencies

Patient Data (6)
- Chest Assessment (2)
- Patient Assessment (2)
- X-ray Interpretation (2)

Oxygen Therapy (6)
- Nasal Cannula (3)
- Simple Mask
- Partial Rebreather
- Non-Rebreather (1)
- Air Entrainment Mask (1)
- Pulse Oximetry (3)
- High Flow Nasal Cannula/Vapotherm
- Transport with Oxygen

Aerosol/Humidity Therapy (2)
- Face Tent
- Face Mask
- Trach Collar
- T-Piece
- Ultrasonic Nebulizer
- Humidifier (under Generic)

Aerosol Drug Administration (3)
- Metered Dose Inhaler/Inline MDI
- Dry Powder Inhaler
- Small Volume Nebulizer/Inline SVN (3)

Hyperinflation Therapy (1)
- Incentive Spirometry
- IPPB

Suction Procedures (3)
- Endotracheal Suctioning
- Nasotracheal Suctioning
- Tracheal Suctioning
- Inline Suctioning (2)

Endotracheal tube/Tracheostomy Care (5)
- Securing Artificial Airway
- Tracheostomy Care (1)
- Heat/Moisture Exchanger (3)
- Intubation
- Extubation
- Cuff Management

Ventilator Care (4)
- Ventilator Setup
- Routine Ventilator Check (3)
- Ventilator Parameter Change
- Ventilator Graphics Analysis
- Capnography

Weaning from Mechanical Ventilation (1)
- Weaning Parameters
- Weaning

Noninvasive Positive Pressure Ventilation (1)
- Noninvasive Ventilator Setup
- Noninvasive Ventilator Check

Patient Transports (1)
- Manual ventilation During Transport
- Transport Ventilation Setup
Bronchial Hygiene (2)
  Chest Physiotherapy
  Coughing
  Breathing Exercises
  Mucous Clearance Adjuncts
  MetaNeb
  Intrapulmonary Percussive Ventilation

Physician Contact (8)
  8 points

Pulmonary Diagnostics (6)
  Peak flow (1)
  Bedside Spirometry
  Spirometry (1)
  N₂ Washout/He dilution
  Diffusion Study
  Plethysmography (1)
  PFT Quality Assurance
  ABG sampling (1)
  ABG analysis (1)
  ABG analyzer QA
  Art-line Sampling

Resuscitation (1)
  Setup and Ventilation via ET tube
  Setup and Ventilation via Mask
  Adult/Pedi CPR Airway and Ventilation
  Adult/Pedi CPR Compressions

ICU Performance Level (1)
  1/3 FTE

Total _________/51 competencies; Percentage ____ X 70 = ___

To get credit the competency must be graded as satisfactory.
Competencies may come from Adult or Pedi floor areas.

Minimum and Maximum Requirements:
Example: (only 2) is the maximum credit for that item
Example: (x2) is the minimum to get credit for that item
If there is no designation it will count toward the total for the category (listed in parenthesis in the heading)
The above named course syllabus and licensure eligibility notification have been received by and explained to me. I have read, understand and will adhere to the same.

Student's Signature                                      Date

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This sheet must be returned to your instructor by the end of the first week of class.