UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2020-2021:
Anatomy & Physiology-
RES-1503

1. Name of individual compiling report: *Jamie Taylor*

2. Date of submission: *09/18/2020*

3. Is the assessment plan (*Check or highlight one*)

☐ an initial plan for the program ☐ a revision of an old plan ☒ unaltered from previous year

Course-Level Learning Outcomes-

1. What are the Course-Level Outcomes (CLOs)?

1. State the major developmental events of the respiratory system.
2. Describe how genes control lung development.
3. Describe the key elements of normal fetal circulation
4. State what happens to the respiratory system at birth.
5. Describe the developmental events in the respiratory system that continue after birth.
6. Identify the main structures in the thorax and describe their functions.
7. Identify and describe the primary and accessory muscles of breathing.
8. Describe how the pulmonary and bronchial circulations are organized and their functions.
9. Describe somatic and autonomic nervous systems connect to and control the lungs and respiratory muscles.
10. Identify the major structures of the upper respiratory tract and how they function.
11. Describe how the lungs are organized into lobes and segments and the airways that supply them with ventilation.
12. Describe how and why airways produce and move mucus.
13. Describe how the structures in the respiratory bronchioles and alveoli are organized.
14. Describe the blood-gas barrier.
15. Describe the anatomy of the heart and vascular systems.
16. State the key characteristics of cardiac tissue.
17. Describe the local and central control mechanisms of the heart and vascular systems.
18. Describe how the cardiovascular system functions under normal and abnormal conditions.
19. Calculate cardiac output given stroke volume and heart rate.
20. Calculate ejection fraction given stroke volume and end-diastolic volume.
21. Identify the electrical and mechanical events in relation to the normal cardiac cycle.

2. Which CLOs were addressed for this academic year? (2019-2020)

All CLOs are addressed each year as they are imperative to competence of students performing patient care.

3. Which CLOs are being addressed in your assessment plan next academic year? (2020-2021)

All CLOs are addressed each year in the assessment plan. All CLOs are assessed with written exams and live student evaluations of competencies prior to performance on patients.

4. Explain the assessment cycle.

Didactic evaluations are with paper/pencil tests and all laboratory competencies are evaluated one-on-one with students in the laboratory prior to performance of competency in patient care. Students are required to perform a second competency evaluation with preceptors at the bedside prior to autonomy with patients in care delivery.

5. What are the assessment methods? Are they direct or indirect?

All assessment methods are direct and require satisfactory performance on both written assessments and clinical competencies demonstrated in all laboratory experiences.

6. What are the assessment goal(s)?

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

7. What were the findings for this academic year? (2019-2020)

100% of 2020 graduates were both clinically and didactically successful and obtained employment in local hospitals.

8. What is your analysis of the findings?

All didactic and clinical training is sufficient to meet CoARC standards for respiratory care practice.

9. What is the action plan for the next academic year? (2020-2021) Explain.

1. To continue to present didactic, laboratory, and clinical materials and rotations currently utilized for students to ensure successful completion of the program.
2. Currently added tutoring on Fridays to assure retention of students in the program.
3. Recently added 3 hospitals and 1 DME to clinical rotations for student to ensure variety of clinical experiences is obtained by respiratory students.