



Western Technical College

10515175 Respiratory Clinical 1

Course Outcome Summary

Course Information

Description	<p>Introduces Respiratory Therapy practice in the hospital setting. Includes the development of skills such as basic therapeutics, patient assessment, medical record review, safety practices, patient interaction, and communication. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care.</p> <p>This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in a minimum of 5 (required and/or simulated) competencies. The instructor may identify specific competencies to be addressed during this clinical.</p>
Career Cluster	Health Science
Instructional Level	Associate Degree Courses
Total Credits	2
Total Hours	108

Pre/Corequisites

Prerequisite 10515111 Respiratory Survey

Textbooks

Respiratory Clinical 1. Copyright 2023. Publisher: Xanedu. **ISBN-13:** 979-8-822-76689-1. Required.

Learner Supplies

Red Western Program Patch for sleeve on outermost garmet. - \$3.50. **Vendor:** Campus Shop. Required.

Red uniform tunic and black pants (red warm-up jacket optional). **Vendor:** To be discussed in class. Required.

Success Abilities

1. Cultivate Passion: Enhance Personal Connections
2. Cultivate Passion: Expand a Growth-Mindset
3. Cultivate Passion: Increase Self-Awareness
4. Live Responsibly: Embrace Sustainability
5. Refine Professionalism: Practice Effective Communication

High Impact Practices

1. Work-Based Learning: this course applies your learning to your desired profession by working in industry placements such as internships, practicums, clinicals, or co-ops.

Program Outcomes

1. Apply respiratory therapy concepts to patient care situations
2. Demonstrate technical proficiency required to fulfill the role of a Respiratory Therapist
3. Practice respiratory therapy according to established professional and ethical standards

Course Competencies

1. Demonstrate competence in 5 clinical competencies

Assessment Strategies

- 1.1. in a clinical setting

Criteria

Your performance will be successful when:

- 1.1. you obtain check-offs for at least 5 clinical competencies on this list; your instructor may or may not assign specific competencies

2. Apply standard precautions R

Assessment Strategies

- 2.1. in a clinical setting
- 2.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 2.1. you perform the relevant steps on the procedure checklist
- 2.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 2.3. you perform the procedure according to institutional policies

3. Assess vital signs R

Assessment Strategies

- 3.1. in a clinical setting
- 3.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 3.1. you perform the relevant steps on the procedure checklist
- 3.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 3.3. you perform the procedure according to institutional policies

4. Provide education to the patient and family R

Assessment Strategies

- 4.1. in a clinical setting
- 4.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 4.1. you perform the relevant steps on the procedure checklist
- 4.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 4.3. you perform the procedure according to institutional policies

5. Perform pulse oximetry R

Assessment Strategies

- 5.1. in a clinical setting
- 5.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 5.1. you perform the relevant steps on the procedure checklist
- 5.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 5.3. you perform the procedure according to institutional policies

6. Perform chart review R

Assessment Strategies

- 6.1. in a clinical setting
- 6.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 6.1. you perform the relevant steps on the procedure checklist
- 6.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 6.3. you perform the procedure according to institutional policies

7. Demonstrate cylinder safety R

Assessment Strategies

- 7.1. in a clinical setting
- 7.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 7.1. you perform the relevant steps on the procedure checklist
- 7.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 7.3. you perform the procedure according to institutional policies

8. Administer oxygen therapy R

Assessment Strategies

- 8.1. in a clinical setting
- 8.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 8.1. you perform the relevant steps on the procedure checklist
- 8.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine

8.3. you perform the procedure according to institutional policies

9. Perform open system suctioning R

Assessment Strategies

- 9.1. in a clinical setting
- 9.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 9.1. you perform the relevant steps on the procedure checklist
- 9.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 9.3. you perform the procedure according to institutional policies

10. Perform closed system suctioning R

Assessment Strategies

- 10.1. in a clinical setting
- 10.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 10.1. you perform the relevant steps on the procedure checklist
- 10.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 10.3. you perform the procedure according to institutional policies

11. Perform extubation R

Assessment Strategies

- 11.1. in a clinical setting
- 11.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 11.1. you perform the relevant steps on the procedure checklist
- 11.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 11.3. you perform the procedure according to institutional policies

12. Perform arterial puncture R

Assessment Strategies

- 12.1. in a clinical setting
- 12.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 12.1. you perform the relevant steps on the procedure checklist
- 12.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 12.3. you perform the procedure according to institutional policies

13. Administer bronchial hygiene adjuncts (i.e. flutter, pep, vest) R

Assessment Strategies

- 13.1. in a clinical setting or simulation
- 13.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 13.1. you perform the relevant steps on the procedure checklist
- 13.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 13.3. you perform the procedure according to institutional policies

14. Manage artificial airways R

Assessment Strategies

- 14.1. in a clinical setting
- 14.2. through an oral or written response to scenarios and/or questions

Criteria

- 14.1. you perform the relevant steps on the procedure checklist
- 14.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 14.3. you perform the procedure according to institutional policies

15. Manage ventilator modes based on patient need R

Assessment Strategies

- 15.1. in a clinical setting
- 15.2. through an oral or written response to scenarios and/or questions

Criteria

- 15.1. you perform the relevant steps on the procedure checklist
- 15.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 15.3. you perform the procedure according to institutional policies

16. Manage non-invasive positive pressure ventilation R

Assessment Strategies

- 16.1. in a clinical setting
- 16.2. through an oral or written response to scenarios and/or questions

Criteria

- 16.1. you perform the relevant steps on the procedure checklist
- 16.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 16.3. you perform the procedure according to institutional policies

17. Administer aerosolized medication R

Assessment Strategies

- 17.1. in a clinical setting
- 17.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 17.1. you perform the relevant steps on the procedure checklist
- 17.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 17.3. you perform the procedure according to institutional policies

18. Evaluate patient response to mechanical ventilation R

Assessment Strategies

- 18.1. in a clinical setting
- 18.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 18.1. you perform the relevant steps on the procedure checklist
- 18.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 18.3. you perform the procedure according to institutional policies

19. Initiate mechanical ventilation R

Assessment Strategies

- 19.1. in a clinical setting
- 19.2. through an oral or written response to scenarios and/or questions

Criteria

- 19.1. you perform the relevant steps on the procedure checklist

- 19.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 19.3. you perform the procedure according to institutional policies

20. Evaluate patient readiness for liberation from mechanical ventilation R

Assessment Strategies

- 20.1. in a clinical setting
- 20.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 20.1. you perform the relevant steps on the procedure checklist
- 20.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 20.3. you perform the procedure according to institutional policies

21. Administer hyperinflation therapy adjuncts i.e. incentive spirometry, intermittent positive pressure breathing, PAP R

Assessment Strategies

- 21.1. in a clinical setting or simulation
- 21.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 21.1. you perform the relevant steps on the procedure checklist
- 21.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 21.3. you perform the procedure according to institutional policies

22. Demonstrate strategies to prevent ventilator associated events R

Assessment Strategies

- 22.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 22.2. through an oral or written response to scenarios and/or questions

Criteria

- 22.1. you perform the relevant steps on the procedure checklist
- 22.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 22.3. you perform the procedure according to institutional policies

23. Implement weaning protocols R

Assessment Strategies

- 23.1. in a clinical setting
- 23.2. through an oral or written response to scenarios and/or questions

Criteria

- 23.1. you perform the relevant steps on the procedure checklist
- 23.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 23.3. you perform the procedure according to institutional policies

24. Perform a pulmonary exam R

Assessment Strategies

- 24.1. in a clinical setting
- 24.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 24.1. you perform the relevant steps on the procedure checklist
- 24.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 24.3. you perform the procedure according to institutional policies

25. Participate as a member of the interprofessional care management team R

Assessment Strategies

- 25.1. in a clinical setting or simulation
- 25.2. through an oral or written response to scenarios and/or questions

Criteria

- 25.1. you meet with the care team
- 25.2. you use effective communicate strategies
- 25.3. you provide recommendations for changes to the therapeutic care plan
- 25.4. you accept feedback in a professional manner

26. Perform manual ventilation according to patient needs S

Assessment Strategies

- 26.1. in a clinical setting or simulation
- 26.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 26.1. you perform the relevant steps on the procedure checklist
- 26.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 26.3. you perform the procedure according to institutional policies

27. Evaluate hemodynamic data S

Assessment Strategies

- 27.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 27.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 27.1. you perform the relevant steps on the procedure checklist
- 27.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 27.3. you perform the procedure according to institutional policies

28. Evaluate need for home oxygen therapy for example oxygen titration with exercise S

Assessment Strategies

- 28.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 28.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 28.1. you perform the relevant steps on the procedure checklist
- 28.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 28.3. you perform the procedure according to institutional policies

29. Perform tracheostomy care S

Assessment Strategies

- 29.1. in a clinical setting or simulation
- 29.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 29.1. you perform the relevant steps on the procedure checklist
- 29.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 29.3. you perform the procedure according to institutional policies

30. Interpret capnography results S

Assessment Strategies

- 30.1. in a clinical setting or simulation

30.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 30.1. you perform the relevant steps on the procedure checklist
- 30.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 30.3. you perform the procedure according to institutional policies

31. Manage mechanical ventilation of the neonate/pediatric patient S

Assessment Strategies

- 31.1. in a clinical setting or simulation
- 31.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 31.1. you perform the relevant steps on the procedure checklist
- 31.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 31.3. you perform the procedure according to institutional policies

32. Administer chest physical therapy S

Assessment Strategies

- 32.1. in a clinical setting or simulation
- 32.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 32.1. you perform the relevant steps on the procedure checklist
- 32.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 32.3. you perform the procedure according to institutional policies

33. Set up large volume medication nebulizer S

Assessment Strategies

- 33.1. in a clinical setting or simulation
- 33.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 33.1. you perform the relevant steps on the procedure checklist
- 33.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 33.3. you perform the procedure according to institutional policies

34. Change ventilator circuit S

Assessment Strategies

- 34.1. in a clinical setting or simulation
- 34.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 34.1. you perform the relevant steps on the procedure checklist
- 34.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 34.3. you perform the procedure according to institutional policies

35. Assist with intubation S

Assessment Strategies

- 35.1. in a clinical setting or simulation
- 35.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 35.1. you perform the relevant steps on the procedure checklist
- 35.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 35.3. you perform the procedure according to institutional policies

36. Perform nasotracheal suctioning S

Assessment Strategies

- 36.1. in a clinical setting or simulation
- 36.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 36.1. you perform the relevant steps on the procedure checklist
- 36.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 36.3. you perform the procedure according to institutional policies

37. Perform screening spirometry S

Assessment Strategies

- 37.1. in a clinical setting or simulation
- 37.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 37.1. you perform the relevant steps on the procedure checklist
- 37.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 37.3. you perform the procedure according to institutional policies

38. Perform 12 lead EKGs S

Assessment Strategies

- 38.1. in a clinical setting or simulation
- 38.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 38.1. you perform the relevant steps on the procedure checklist
- 38.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 38.3. you perform the procedure according to institutional policies

39. Perform a trach change O

Assessment Strategies

- 39.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 39.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 39.1. you perform the relevant steps on the procedure checklist
- 39.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 39.3. you perform the procedure according to institutional policies

40. Perform sputum induction O

Assessment Strategies

- 40.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 40.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 40.1. you perform the relevant steps on the procedure checklist
- 40.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 40.3. you perform the procedure according to institutional policies

41. Assist with bronchoscopy O

Assessment Strategies

- 41.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 41.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 41.1. you perform the relevant steps on the procedure checklist
- 41.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 41.3. you perform the procedure according to institutional policies

42. Assist with thoracentesis O

Assessment Strategies

- 42.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 42.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 42.1. you perform the relevant steps on the procedure checklist
- 42.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 42.3. you perform the procedure according to institutional policies

43. Manage the use of heliox O

Assessment Strategies

- 43.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 43.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 43.1. you perform the relevant steps on the procedure checklist
- 43.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 43.3. you perform the procedure according to institutional policies

44. Manage the use of nitric oxide O

Assessment Strategies

- 44.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 44.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 44.1. you perform the relevant steps on the procedure checklist
- 44.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 44.3. you perform the procedure according to institutional policies

45. Perform transcutaneous monitoring O

Assessment Strategies

- 45.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 45.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 45.1. you perform the relevant steps on the procedure checklist
- 45.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 45.3. you perform the procedure according to institutional policies

46. Assist with sleep lab procedures O

Assessment Strategies

- 46.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 46.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 46.1. you perform the relevant steps on the procedure checklist
- 46.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 46.3. you perform the procedure according to institutional policies

47. Perform a complete pulmonary function test O

Assessment Strategies

- 47.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 47.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 47.1. you perform the relevant steps on the procedure checklist
- 47.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 47.3. you perform the procedure according to institutional policies

48. Perform an arterial line draw O

Assessment Strategies

- 48.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 48.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 48.1. you perform the relevant steps on the procedure checklist
- 48.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 48.3. you perform the procedure according to institutional policies

49. Monitor pleural drainage systems O

Assessment Strategies

- 49.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 49.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 49.1. you perform the relevant steps on the procedure checklist
- 49.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 49.3. you perform the procedure according to institutional policies

50. Create a respiratory care plan according to evidence based practices O

Assessment Strategies

- 50.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 50.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 50.1. care plan meets the requirements on the checklist
- 50.2. care plan is created according to the clinical practice guidelines and/or evidence based medicine

50.3. care plan is created according to institutional policies

51. Perform an Apnea test (brain death determination) O

Assessment Strategies

- 51.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 51.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 51.1. you perform the relevant steps on the procedure checklist
- 51.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 51.3. you perform the procedure according to institutional policies

52. Perform cardiopulmonary stress testing O

Assessment Strategies

- 52.1. by performing and/or assisting with procedure in a clinical setting or simulation
- 52.2. through an oral or written response to scenarios and/or questions

Criteria

Your performance will be successful when:

- 52.1. you perform the relevant steps on the procedure checklist
- 52.2. you perform the procedure according to the clinical practice guidelines and/or evidence based medicine
- 52.3. you perform the procedure according to institutional policies