



Western Technical College

10515179 Respiratory Clinical 3

Course Outcome Summary

Course Information

Description Continued development of Respiratory Therapy clinical skills including respiratory therapeutics. Focuses on monitoring, analyzing and interpreting data to make appropriate modifications in patient care. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care.

This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in a minimum of 19 (required and/or simulated) competencies (cumulative through all clinical courses). The instructor may identify specific competencies to be addressed during this clinical. Note: Competencies with an R are required, competencies with an S are required, but may be simulated, competencies with an O are optional.

Career Cluster	Health Science
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	162

Textbooks

515-175 Respiratory Therapy Clinical Practice 1 Manual. Western. Publisher: Western. Required.

Learner Supplies

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

Experiential Learning

1. Work Based Learning

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 19 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 19 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. by performing and/or assisting with procedure in a clinical setting or simulation
- 4.2. through an oral or written response to scenarios and/or questions

Criteria

- 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. by performing and/or assisting with procedure in a clinical setting or simulation

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

Criteria

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. by performing and/or assisting with procedure in a clinical setting or simulation

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. by performing and/or assisting with procedure in a clinical setting or simulation

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. by performing and/or assisting with procedure in a clinical setting or simulation

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

Criteria

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

Criteria

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

Criteria

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

Criteria

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

Criteria

- 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

- 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

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

Criteria

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

Criteria

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

Criteria

- 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

- 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

- 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

- 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

- 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