

Western Technical College

10531921 Special Patient Populations

Course Outcome Summary

Course Information

Description	This course teaches the paramedic student to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for patients with special needs. Gynecological emergencies, along with special considerations in trauma are also included within this course.
Career Cluster	Law, Public Safety, Corrections and Security
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	72

Textbooks

Pediatric Education for Prehospital Professionals (Revised) – With Access. 3rd Edition. Copyright 2016. American Academy of Pediatrics. Publisher: Jones & Bartlett Publishers. **ISBN-13:**978-1-284-13303-5. Required.

Geriatric Education for Emergency Med. Services – With Access. 2nd Edition. Copyright 2016. American Geriatric. Publisher: Jones & Bartlett Publishers. **ISBN-13:**978-1-4496-4191-7. Required.

Learner Supplies

Program Clothing. **Vendor:** To be discussed in class. Required.

Program Outcomes

1. Integrate pathophysiological principles and assessment findings to provide appropriate patient care.
2. Demonstrate paramedic skills associated with established standards and procedures for a variety of patient encounters.
3. Communicate effectively with others.
4. Demonstrate professional behavior.
5. Meet state and national competencies listed for paramedic certification(s).

Course Competencies

1. Analyze the pathophysiology, assessment findings, and management of gynecological conditions/emergencies.

Assessment Strategies

- 1.1. Oral, Written or Graphic Assessment

Criteria

You will know you are successful when:

- 1.1. you answer questions related to the learning objectives on a test.
- 1.2. you achieve the threshold identified by your Training Center on the assessment.

Learning Objectives

- 1.a. Describe the anatomy of the female reproductive system.
- 1.b. Describe the female menstrual and ovarian cycles.
- 1.c. Discuss potential symptoms and assessment findings related to a gynecological examination.
- 1.d. Discuss the general management of a patient with a gynecological condition or emergency.
- 1.e. Discuss the pathophysiology, assessment findings, and management of a female patient with vaginal bleeding.
- 1.f. Discuss the pathophysiology, assessment findings, and management of a female patient after a sexual assault.
- 1.g. Discuss the pathophysiology, assessment findings, and management of a female patient with a gynecological infection.
- 1.h. Discuss the pathophysiology, assessment findings, and management of a female patient with an ovarian cyst or ruptured ovarian cyst.
- 1.i. Discuss the pathophysiology, assessment findings, and management of a female patient with ovarian torsion.
- 1.j. Discuss the pathophysiology, assessment findings, and management of a female patient endometriosis.
- 1.k. Discuss the pathophysiology, assessment findings, and management of a female patient with dysfunctional uterine bleeding.
- 1.l. Discuss the pathophysiology, assessment findings, and management of a female patient with a prolapsed uterus.
- 1.m. Discuss the pathophysiology, assessment findings, and management of a female patient with a vaginal foreign body.
- 1.n. Identify differences in gynecological conditions or emergencies affecting pediatric and geriatric patients.
- 1.o. Discuss transport considerations for patients with gynecological conditions or emergencies.

2. Summarize the pathophysiology, assessment, and management of obstetrical complications.

Assessment Strategies

- 2.1. Oral, Written or Graphic Assessment

Criteria

You will know you are successful when:

- 2.1. you answer questions related to the learning objectives on a test.
- 2.2. you achieve the threshold identified by your Training Center on the assessment.

Learning Objectives

- 2.a. Discuss the female reproductive system and reproductive cycle.
- 2.b. Discuss the physiology of pregnancy.
- 2.c. Discuss the signs, stages, assessment, and management of labor and delivery.
- 2.d. Discuss pathophysiology, assessment, and management of complications related to pregnancy.
- 2.e. Discuss the pathophysiology, assessment, complications, and management of high-risk pregnancies.
- 2.f. Discuss the pathophysiology, assessment, complications, and management of complicated labor.
- 2.g. Discuss the pathophysiology, assessment, complications, and management of complicated deliveries.

3. Outline components of neonatal and pediatric care.

Assessment Strategies

- 3.1. Oral, Written or Graphic Assessment

Criteria

You will know you are successful when:

- 3.1. you answer questions related to the learning objectives on a test.
- 3.2. you achieve the threshold identified by your Training Center on the assessment.

Learning Objectives

- 3.a. Define newborn and neonate.
- 3.b. Discuss the epidemiology, pathophysiology, assessment, and management of newborns and neonates.
- 3.c. Discuss the epidemiology, pathophysiology, assessment, and management of specific newborn or neonatal conditions or emergencies.
- 3.d. Discuss the pathophysiology, assessment, and management of specific pediatric medical conditions or emergencies.
- 3.e. Discuss the assessment and management of a pediatric abuse and/or neglect patient.
- 3.f. Discuss the risk factors, assessment, and management of a sudden infant death syndrome (SIDS) casualty.

4. Outline components of geriatric care.

Assessment Strategies

- 4.1. Oral, Written or Graphic Assessment

Criteria

You will know you are successful when:

- 4.1. you answer questions related to the learning objectives on a test.
- 4.2. you achieve the threshold identified by your Training Center on the assessment.

Learning Objectives

- 4.a. Discuss the psychosocial and economic aspects of aging in the United States.
- 4.b. Discuss the pathophysiology and management of specific medical conditions or emergencies that occur more frequently in the elderly.

5. Differentiate the care of patients with special challenges.

Assessment Strategies

- 5.1. Oral, Written or Graphic Assessment

Criteria

You will know you are successful when:

- 5.1. you answer questions related to the learning objectives on a test.
- 5.2. you achieve the threshold identified by your Training Center on the assessment.

Learning Objectives

- 5.a. Discuss the epidemiology, history, assessment considerations, management, legal aspects, risk profiles, and documentation requirements applicable to abuse and/or neglect patients.
- 5.b. Describe the challenges associated with, resources available for, and special considerations in the treatment of homeless or poverty-stricken patients.
- 5.c. Discuss the risk factors, special considerations, and patient-handling issues associated with bariatric patients.
- 5.d. Describe care considerations for the technology-assisted/dependent patient.
- 5.e. Describe hospice care and terminally ill care considerations.
- 5.f. Describe the care considerations for a patient with a tracheostomy.
- 5.g. Discuss the assessment and management of patients who require adaptive/assistive technology devices.
- 5.h. Describe the causes, signs, and special considerations in management of pediatric patients with developmental disabilities.
- 5.i. Describe the causes and special considerations in the management of emotionally impaired patients.
- 5.j. Discuss special considerations in managing patients with specific physical needs or challenges (hearing, visual, speech, or para/quadriplegia).
- 5.k. Discuss special considerations in providing care to patients with communicable diseases.
- 5.l. Discuss special considerations in providing care to terminally ill patients.
- 5.m. Discuss special considerations in providing care to patients with psychiatric disorders.
- 5.n. Discuss the specific challenges and considerations associated with the management of chronic

conditions.

6. Identify special considerations for working with patients in trauma.

Assessment Strategies

6.1. Oral, Written or Graphic Assessment

Criteria

You will know you are successful when:

- 6.1. you answer questions related to the learning objectives on a test.
- 6.2. you achieve the threshold identified by your Training Center on the assessment.

Learning Objectives

- 6.a. Discuss the incidence, pathophysiology, assessment considerations, and management of traumatic injury given a pregnant patient.
- 6.b. Discuss the unique aspects, pathophysiology, assessment considerations, and management of traumatic injuries in pediatric patients.
- 6.c. Discuss the unique aspects, pathophysiology, assessment considerations, and management of traumatic injuries in geriatric patients.
- 6.d. Discuss the unique challenges, assessment considerations, and management of traumatic injuries in cognitively impaired patients.

7. Demonstrate care for a special population patient.

Assessment Strategies

7.1. Skill Demonstration

Criteria

You will know you are successful when:

- 7.1. you follow the published protocol provided by your Training Center.