

**ADLTED 736A Course Outline as of Fall 2022****CATALOG INFORMATION**

Dept and Nbr: ADLTED 736A Title: MEDICLY FRAGIL INFTS 1

Full Title: Medically Fragile Infants--Part 1

Last Reviewed: 2/26/2018

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	8	Lecture Scheduled	0
Minimum	0	Lab Scheduled	3.00	2	Lab Scheduled	24.00
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 24.00

Title 5 Category: Non-Credit

Grading: Non-Credit Course

Repeatability: 27 - Exempt From Repeat Provisions

Also Listed As:

Formerly:

**Catalog Description:**

This course is intended for caregivers, foster, kinship and adoptive parents, home day care providers, educators, and any mandated reporters who assist in the care of medically fragile infants. This is the first in a two-part series; the second part includes a practicum using baby simulators and visiting with medically fragile infants and their caregivers when available.

**Prerequisites/Corequisites:****Recommended Preparation:**

Course Completion of ADLTED 734B

**Limits on Enrollment:****Schedule of Classes Information:**

Description: This course is intended for caregivers, foster, kinship and adoptive parents, home day care providers, educators, and any mandated reporters who assists in the care of medically fragile infants. This is the first in a two-part series; the second part includes a practicum using baby simulators and visiting with medically fragile infants and their caregivers when available.  
(Non-Credit Course)

Prerequisites/Corequisites:

Recommended: Course Completion of ADLTED 734B

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Explain the challenges of caring for a medically fragile infant, analyze problems associated with, and provide solutions for caring for such infants.

### **Objectives:**

Upon completion of the course, students will be able to:

1. Describe the basic physiologic, environmental, emotional, and medical needs of infants.
2. Describe normal development of the fetus and how it may be affected by prenatal factors and/or prematurity/low birth weight.
3. Recognize common medical problems in premature infants, describe special problems, and discuss treatment options and help for caregivers of infants with medical problems.
4. Describe the goals of developmental care in the Neonatal Intensive Care Unit (NICU), as well as criteria for discharge.
5. Describe consequences of prenatal influences and experiences during infancy on long-term outcomes.

### **Topics and Scope:**

- I. Basic Needs of Infants
  - A. Physiologic
  - B. Environmental
  - C. Emotional
  - D. Medical
- II. Fetal Development
  - A. Normal
  - B. Abnormal - effect of prenatal factors, e.g.:
    1. Maternal diabetes

- 2. Maternal infections
- 3. Maternal medications and substance use
- III. Prematurity and Low Birth Weight
  - A. Chronic respiratory issues
  - B. Neurodevelopmental issues
    - 1. Cognitive and learning
    - 2. Motor development
    - 3. Behavioral issues
    - 4. Hearing and vision
- IV. NICU-Related Issues
  - A. Goals of developmental care in the NICU
    - 1. Simulating uterine environment
    - 2. Evidence-based practices for optimizing outcomes, e.g:
      - a. Reduction of ambient light
      - b. Reduction of exposure to sound
      - c. Positioning within incubator
      - d. Reduced stimulation
  - B. Criteria for discharge
    - 1. Apnea counts
    - 2. Weaning off medications and oxygen
    - 3. Thermal stability
    - 4. Physiologic homeostasis
- V. Consequences of Prenatal Influences and Experiences During Infancy on Long-Term Outcomes
  - A. Adverse Childhood Experiences (ACEs study)
  - B. Neurodevelopment
  - C. Behavior
  - D. School issues
  - E. Social issues
  - F. Sleep issues

### **Assignment:**

- 1. Quick writes and journal entries (6 to 10)
- 2. Case vignettes (2 to 4)
- 3. One-page response papers (2)
- 4. Venn diagrams (2 to 3)
- 5. Optional out-of-class readings and resource research assignment

### **Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Response paper; quick writes; journal entries
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Writing 20 - 30%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Case vignettes; Venn diagrams

Problem solving  
20 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Active participation and attendance; optional out-of-class reading and resource research

Other Category  
40 - 50%

**Representative Textbooks and Materials:**  
Instructor-prepared materials