

**UNIVERSITY COLLEGES OF TECHNOLOGY
STATE UNIVERSITY OF NEW YORK
CANTON**



COURSE OUTLINE

FSAD 321 ADVANCED EMBALMING PRACTICE

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Director of FSAD**

**SCHOOL OF SCIENCE, HEALTH & CRIMINAL JUSTICE
Funeral Services Administration Program**

Revised: April 14, 2017

FSAD 321 Advanced Embalming Practice

- A. **TITLE:** Advanced Embalming Practice
- B. **COURSE NUMBER:** FSAD 321
- C. **CREDIT HOURS:** 3
- D. **WRITING INTENSIVE COURSE:** NO
- E. **WEEKS PER SEMESTER:** 15
- F. **SEMESTER(S) OFFERED:** Spring
- G. **HOURS OF LECTURE:** 3 hours lecture

H. CATALOG DESCRIPTION:

Designed to improve the skills and knowledge base of practicing licensed personnel, this course focuses on the less common techniques applied in unusual situations. Waterless embalming, regional freezing procedures, mummification, alternative machinery, and special purpose chemicals will be explored. Unique embalming situations are addressed such as long term storage, entombment vs burial, decomposed bodies, stillbirths, religious limitations, anatomical embalming, and fragment treatment in anticipation of delayed final disposition. Perfection of techniques of sterile procedure, eye enucleation, terminal disinfection, and personal protection is expected.

- I. **PRE-REQUISITES:** FSAD 115, FSAD 121, FSAD 211 and FSAD 129. Must possess a Blue Card obtained from the NYS Dept of Health, Bureau of Funeral Directing **or** comply with specific state regulations governing student embalming experience. The student must have access to a state registered funeral home that engages in embalmings.

- J. **OBJECTIVES:** At the conclusion of the course the student will be able to:

Course SLO	Institution SLO
1. Identify the characteristics of all chemicals utilized during the embalming process for various cases.	4. Professor Competence
2. Outline prep room controls in compliance with OSHA and state regulations.	2. Critical Thinking 4. Professional Competence
3. Explain in detail treatment for various difficult cases: Edema, decomposition, tissue recovery, long bone preservation, bleaching bruised areas, etc.	4. Professional Competence 3. Interpersonal skills
4. Explain how to test fit a respirator for proper in accordance with OSHA standard	4. Professional Competence
5. Creating an embalming reports for an in house, local, and international transfer of human remains	1. Communication Skills, 4. Professional Competence
6. Prepare human remains for burial, entombment, cremation, and green cemetery committals.	4. Professional Competence 1. Communication Skills
7. Evaluate embalming procedures performed by another embalmer	1. Communication Skills, 2. Critical Thinking,

K. TEXTS:

Mayer, R. G. (2012). *Embalming History, Theory, and Practice*. McGraw Hill: New York.

L. REFERENCES:

Frederick and Strub, *Principles and Practice of Embalming*, 1982
Price, *Cardiovascular Anatomy*, Muirfield Publications, 1990

M. EQUIPMENT: Usual equipment found in embalming laboratory both on campus and in a funeral home

N. GRADING METHOD: A – F.

O. EVALUATION CRITERIA/METHODS

Tests, quizzes, and major projects. A grade of “C” or better must be obtained in this course.

P. DETAILED TOPICAL OUTLINE

- I. Chemical components and their purposes
 - A. formaldehyde
 - B. glutaraldehyde
 - C. sequestered molecules
 - D. high performance fluids
 - E. non-oxidizing fluids
 - F. paraformaldehyde
 - G. chemical deodorants
 - H. surface and instrument disinfection solutions
- II. Special body conditions
 - A. therapeutic drug content
 - B. recreational drug (including alcohol) abuse
 - C. jaundice
 - D. septic conditions
 - E. cancer damage
 - F. stains and ecchymoses
 - G. edema
 - H. advanced decomposition
 - I. cachexia
- III. Special preservation requirements
 - A. cadaver embalming by the Cornell formula
 - B. embalming, encasing, and storing amputated fragments for later burial
 - C. above ground burial problems and remedies
 - D. comparison of performance of proprietary fluids for these purposes
 - E. modern mummification techniques
- IV. Universal and extraordinary precautions
 - A. selecting, fitting, testing, and using positive pressure respirators
 - B. designing garments to optimize protection and comfort
 - C. porosity of various protective garments and equipment
 - D. identification of extreme hazards

1. radioactivity
 2. slow viruses
 3. chemical hazard scene deaths
 4. facultative parasitic pathogens
- E. special immunizations
- V. Preparation room retrofit or new design
- A. laminar flow ventilation
 - B. injection machine design and placement
 - C. isolation design
 - D. work-through body enclosures
 - E. lifting and moving by device
 - F. personal terminal disinfection procedures
- VI. Organ donation cases
- A. Eye enucleation training and restoration
 - B. embalming long bone donors
 - C. embalming skin donors
 - D. embalming viscera donors
- VII. Documentation requirements and procedures
- A. designing a thorough embalming report in hardcopy
 - B. computerized embalming reports
 - C. requirements of foreign countries for embalming reports
 - D. documentation required for common carrier transportation
 - E. medical record keeping for embalmers --- standard and incident based
 - F. permission forms -- embalming, cremation, fragment, release of information

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