

**COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**

FSAD 121 Analytical Embalming

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**SCHOOL OF SCIENCE, HEALTH & CRIMINAL JUSTICE
Funeral Services Administration Program
Spring 2017**

FSAD 121 Analytical Embalming

- A. **TITLE:** Analytical Embalming
- B. **COURSE NUMBER:** FSAD 121
- C. **CREDIT HOURS:** 3
- E. **COURSE LENGTH:** 15 weeks
- F. **SEMESTER(S) OFFERED:** Fall
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
Two hours lecture, three hours laboratory per week
- H. **CATALOG DESCRIPTION:**
This is the first of three embalming courses required to graduate from the program. It addresses the definitions of death, the public health considerations, ethical performance, necessary instruments, and embalming theory and procedures for typical cases. **A C or better is required in this course to continue in the Funeral Services Administration Program.**
- I. **PRE-REQUISITES/CO-COURSES:** Matriculation in Mortuary Science Program
- J. **GOALS (STUDENT LEARNING OUTCOMES):**

<i>Course Objective</i>	<i>Institutional SLO</i>
a. correctly identify embalming fluids including purpose and means of application	3. Prof. Competence
b. properly identify instruments and equipment found in the typical embalming facility	3. Prof. Competence
c. Demonstrate ability to use instruments for embalming procedures	3. Prof. Competence
d. describe the benefits of well restored human remains to the funeral process	3. Prof. Competence
e. develop an embalming plan based on factors observed during preembalming analysis	3. Prof coppetence
f. discuss the legalities surrounding embalming including gaining permission, mutilation laws, and representations that may be properly made to clients	3. Prof. Competence

- K. **TEXTS:**
Mayer, O, *Embalming History, Theory, Practice*, McGraw Hill, New York, 2016
- L. **REFERENCES:** Dorn & Hopkins, *Thanatochemistry*, Appleton and Lange, Englewood Cliffs, NJ, 1985

M. **EQUIPMENT:** Laboratory protective garments available from campus store

N. **GRADING METHOD:** A - F

O. **MEASUREMENT CRITERIA/METHODS:**

Classroom Evaluation: Quizzes worth 20% of final grade

Hour Exams worth 50% of final grade

Final Exam worth 30% of final grade

Laboratory evaluation: assessment via practical check sheet of basic skills appropriate for participation in Clinical Practicum.

P. **DETAILED TOPICAL OUTLINE:**

A. Definition and purpose of embalming

1. Legal definition

2. Nonlegal definition

3. Social and psychological value of good embalming results

B. Public Health considerations

1. Reportable diseases

2. Modes of disease transmission

3. Universal precautions

4. Biohazard concerns

C. Professional and ethical conduct

1. Confidentiality

2. Verbal and written permission

3. Charging of fees

4. Documentation of personal effects

D. Basic disinfection theories and techniques

1. Primary disinfection procedures

2. Spray chemicals

3. Identification of lesions

4. Types of disinfectant detergents

5. Disposal of contaminated materials

E. Definitions of death, signs of death, tests for life

1. Legal, biological, somatic, clinical, cellular death

2. Bichat's types of death

3. Modes of death

4. Ligature test, stethoscope, pulse, pressure points, rigor mortis,

decomposition

F. General procedures for embalming a "typical" case

1. Primary disinfection including positioning features

2. Vessel selection

3. Basic preembalming analysis

4. Identifying special concerns and remedies

5. Basic chemical selection

6. Cavity aspiration and injection

7. Sealing incisions

G. Antemortem chemical and physical changes

H. Postmortem and postembalming chemical and physical changes

1. Chemical changes: rigor mortis, autolysis, hemolysis, decomposition, putrefaction, decay, fermentation

2. Physical changes: dehydration, hypostasis, PM lividity, algor mortis,

I. Embalming chemicals

- A. preinjection
- B. arterial fluids
- C. special purpose fluids
- D. cavity fluids
- E. surface treatment chemicals
- J. Dilution, distribution, diffusion
- K. Cavity embalming
 - 1. Trocar guides
 - 2. Types of equipment,
 - 3. Types of fluids to select
 - 4. Closures

Q. LABORATORY OUTLINE:

The laboratory is conducted primarily to embalm human remains. It is unknown when the bodies will be received. The condition of each body and the specific treatments required will govern the goals and objectives of that session. Typically a maximum of 6 cases will be utilized, other lab exercises will include various aspects of funeral service. These exercises will be utilized as necessary. Proof of successful completion of OSHA training is mandatory prior to engaging in embalming of human remains.

Non-embalming laboratory exercises:

- OSHA requirements and biohazard protective measures
- Naming and describing instruments
- Dressing, casketing, cosmetics
- Lifting techniques and equipment
- Taking first call over the telephone
- Writing obituaries and death notices
- Using removal stretchers in difficult situations
- Identifying, describing, and utilizing different fluids