

# All Fields Report

Basic Course Information	
College	Cañada College
Discipline	FSE.-Funeral Service Education
Course Number	260
Full Course Title	Embalming I
Catalog Course Description	This course introduces the phenomenon of death relative to the human body. It includes the processes of preservation, restoration, and sanitation in treating the dead human body. The course outlines the legal and social aspect of embalming, the use of anatomical systems in preservation and the application of chemical preservatives to slow decomposition.
Class Schedule Course Description	This course introduces the phenomenon of death in the human body. It includes the processes of preservation, restoration, and sanitation in treating the dead human body.
Proposal Information	
Proposed Start	Year: 2021 Semester: Fall
Proposed Curriculum Committee Meeting Date:	11/13/2020
Deadline for submission to Dean's Queue:	10/08/2020
Deadline for submission of curriculum proposal to the Technical Review Committee:	10/20/2020
Proposal Origination Date:	04/10/2020
Justification For Board Report OR Curriculum Inventory update:	<p>1. <b>For NEW Courses:</b> Provide a brief justification statement describing the need for the course, its place in the curriculum, and pertinent information such as the role of advisory committees. New courses require approval of the SMCCCD Board of Trustees. The justification statement will be included on the annual Curricular Board report. Use complete sentences and present tense.</p> <p>2. <b>For all types of Course MODIFICATIONS (modifications, banking, deletions and reactivations):</b> Provide a brief justification statement describing the need for the change. The justification statement will be used for course updates in the State Curriculum Inventory as necessary. Use complete sentences and present tense.</p> <p>Course content is required by the American Board of Funeral Service as described in the ABFSE Embalming, Anatomy, Chemistry, Pathology, and Microbiology outlines and provides the student with an understanding of the the legal, ethical and social implications of embalming. The student will also be introduced to embalming equipment, embalming suites, and the embalming procedure. Additional topics include the used of disinfecting and sanitizing chemical and postmortem conditions as result of pathology/microorganisms. This course is a core requirement for the Funeral Service Education Associate in Science Degree.</p>
Honors Course	No
Open Entry/Open Exit	No 0

Equivalent Courses	
Will this course replace an existing course in the catalog,	No

or an experimental course?	
If yes, identify and explain.	
<b>Similar Courses</b>	
Is there a similar or equivalent course in SMCCCD?	No
Added Similar Courses	

<b>Units/Hours</b>				
Unit Types	Fixed			
Units	Min: 4.00			
Variable Range	Range (or)			
<b>Hours</b>				
<b>Please enter hours as per term values</b>				
<b>Method</b>	<b>Min Hours</b>	<b>Max Hours</b>	<b>Min Faculty Load</b>	<b>Min Units</b>
Lecture	48.00	54.00	3.00	3.00
Lab	48.00	54.00	2.40	1.00
TBA	0.00	0.00	0.00	0.00
Work Experience	0.00	0.00	0.00	0.00
Field Experience	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00
Homework	96.00	108.00	0.00	0.00
Other Hours				
<b>Course Details</b>				
Repeatable for Credit	No			
Grading Methods	Letter Grade Only			
Audit	No - Please Justify: This course requires special preparation and program admission on a limited basis.			

<b>Materials Fee</b>	
Fee Required?	No

<b>Student Learning Outcomes</b>	
Upon successful completion of this course, a student will meet the following outcomes:	
1. Define embalming as a component of disinfection, temporary preservation and restoration of the dead human body	
2. Explain how embalming meets the sociological psychological need for closure after a loss	
3. Demonstrate best practices concerning safety in all aspects of embalming, including occupational hazards such as bloodborne pathogen exposure, and chemical exposure	
4. Illustrate the importance of documentation associated with the handling of human remains	

<b>Course Objectives</b>	
Upon successful completion of this course, a student will be able to:	
1. Define the concepts of sanitation, disinfection, temporary preservation, and restoration pertaining to embalming	
2. Identify personal and environmental protective measures used in embalming	

- |  |
|--|
| 3. Explain the proper disposal of blood, body fluids, and contaminated materials   |
| 4. Compare the use of embalming instruments, equipment, and sundries   |
| 5. Describe embalming techniques and procedures  |
| 6. List those conditions whereby notification of death to public officials is required   |
| 7. Demonstrate the handling, treatment, and disposition of the dead human body   |
| 8. Explain how the disposition of the dead human body meets the needs of the survivors   |
| 9. Apply principles of public health and safety in the handling and preparation of human remains                                       |
| 10. Demonstrate technical skills in embalming and restorative art that are necessary for the preparation and handling of human remains |

### Course Lecture Content

1. Orientation
  1. Embalming defined
  2. Nature and purpose of embalming
  3. Legal requirements and definitions
  4. Goals of embalming
  5. Embalmer preparedness
  6. Classifications of embalming
  7. Need for embalming
2. Professional conduct
  1. Moral considerations
  2. Respect for the dead
  3. Embalming suite access
  4. Embalming reports
3. Legal considerations
  1. Permission to embalm required
  2. Authorizations for other procedures
  3. Autopsy
  4. Organ and tissue donation
  5. Removal of pacemakers
  6. Blood and urine samples
  7. Fingerprints and photographs
  8. Major restorations
  9. Reporting certain situations to law enforcement
  10. Clinical autopsy versus forensic autopsy
  11. Unnatural causes of death
4. Death
  1. Related terms
  2. Types of death
  3. Signs of death
  4. Tests for death
5. Embalming equipment
  1. Centrifugal machines
  2. Gravity injector
  3. Hand pump
  4. Aspirators
  5. Electric spatula
  6. Body lifts
  7. Sterilizers
  8. Positioning devices
  9. Tables
  10. Refrigeration units
6. Safety equipment

1. Eyewash station
2. Drench shower
3. Sharps container
4. Bio-hazardous waste container
5. Exhaust system
6. Personal protective equipment
7. Specialized plumbing
8. Ventilation

#### 7. Supplies

1. Preservative embalming chemicals
2. Bleaches
3. Disinfectants
4. Sealers
5. Disinfectant soaps
6. Solvents
7. Cotton
8. Eye caps
9. Trocar buttons
10. Mouth formers
11. Plastic undergarments and sheeting
12. Suture ligatures
13. Injector needles
14. Adhesives
15. Lip and eyelid cement

#### 8. Instruments

1. Arterial tubes
2. Needle injector
3. Scalpel
4. Aneurysm hook or needle
5. Scissors
6. Groove director
7. Separator
8. Hemostat (locking forceps)
9. Spring forceps
10. Retractor
11. Razor
12. Drainage tube
13. Stop cocks
14. Suture needles
15. Nasal aspirator
16. Autopsy aspirator
17. Trocar
18. Hypodermic syringe and needle
19. Trocar button applicator
20. Vein expander
21. Arterial fixation forceps

#### 9. Embalming formula

1. Index
2. Volume
3. Minimum percentage required for disinfection total solution

#### 10. Pre-embalming changes

1. Antemortem thermal changes
2. Blood changes
3. Moisture changes
4. Bacterial translocation
5. Gases in tissue

6. Effects of therapeutic agents
11. Postmortem physical changes
  1. Algor mortis
  2. Hypostasis
  3. Dehydration
  4. Rigor mortis
  5. Postmortem stain
  6. Intrinsic and extrinsic factors
12. Postmortem chemical changes
  1. Postmortem calorcity
  2. Types of decomposition
  3. Signs of decomposition
  4. Products of decomposition
  5. Factors governing decomposition
  6. Order of decomposition and putrefaction
  7. Changes in pH
  8. Rigor mortis
13. Vascular anatomy
  1. Linear guides
  2. Anatomical guides
  3. Anatomical limits
  4. Location of incision sites
14. Embalming
  1. Placement and position of body
  2. Initial treatment
  3. Posing the features
  4. Special considerations in handling eyes and mouth
  5. Eye enucleation restoration

### Course Lab Content

1. Minimum of ten (10) embalmings (active participation)
  1. Vessel selection and access
  2. Facial feature posing
  3. Suturing of incisions
  4. Embalming chemical selection
  5. Manipulation of embalming machines
  6. Cavity treatment
2. Disinfection of embalming room
  1. Table
  2. Instruments
  3. Floor
  4. surfaces
3. Maintenance of embalming equipment
  1. Hoses
  2. Storage
4. Verification of Embalming Competencies as outlined by the American Board of Funeral Service.
  1. Vessel selection and access
  2. Facial feature posing
  3. Suturing of incisions
  4. Embalming chemical selection
  5. Manipulation of embalming machines

6. Cavity treatment

TBA Hours Content

Frequently Recommended Preparation

Frequently Recommended

Justification for Frequently Recommended Preparation

Why is the knowledge of the recommended course(s), skill(s) or information necessary for students to succeed in the "target" course? Specify the relationship between the recommended knowledge and skills required of students and those taught in the "target course? (Please list the specific proficiencies students must possess in order to succeed in the "target" course.)

Other Recommended Preparation

*You have no defined requisites.*

Prerequisites/Corequisites

Drag and Drop to Reorder

Edit/Delete	Requisites	Analysis
	<b>Prerequisite</b> FSE. 212	
	<b>Corequisite</b> Concurrent enrollment in	
	<b>Corequisite</b> FSE. 250	

Content Review

FSE. 212 - Prerequisite  
(Objective to Objective)  
\*Launched\*

FSE. 250 - Corequisite  
(Objective to Objective)  
\*Launched\*

Mode of Delivery

Modes of Delivery

- Online
- Hybrid
- Lecture
- Lab

Representative Instructional Methods

Methods

- Lecture
- Lab

	Critique Activity Discussion Guest Speakers Individualized Instruction Observation and Demonstration
<b>Other Methods</b>	

### Representative Assignments

#### Writing Assignments

**(List all assignments, including library assignments. Outside assignments are not required for lab-only courses, although they can be given.)**

1. Write a 5-6 page paper describing the process of embalming from removal at the place of death to the completed disposition. One assignment of this nature per semester.
2. Maintain a weekly journal (one page per week, total of 14 over the semester) of your lab/clinical site activities. One assignment of this nature per semester.
3. Complete one embalming report per embalming performed. This two page assignment will be completed 10 times per semester.
4. Write a 5-6 page paper on a non-traditional disposition method and detail the use of PPE and sanitation methods in this custom. One assignment of this nature per semester.

#### Reading Assignments

**(List all assignments, including library assignments. Outside assignments are not required for lab-only courses, although they can be given.)**

1. Review 8-10 pages from required text book on a weekly basis.
2. Review approximately 4 pages weekly, the department policy and procedure manual per week.

#### Other Outside Assignments

**(List all assignments, including library assignments. Outside assignments are not required for lab-only courses, although they can be given.)**

1. Create a fluid dilution equation. i.e. How many bottles would you need of a 25 index fluid to create a 5% solution with a final volume of 3 gallons (addresses SLO: describe embalming techniques and procedures). This assignment will happen 2 times per semester.

**To be Arranged Assignments**

(List all assignments, including library assignments. Outside assignments are not required for lab-only courses, although they can be given.)

- Not applicable

**Representative Methods of Evaluation**

This section defines the ways students will demonstrate that they have met the student learning outcomes.

Student grades will be based on multiple measures of student performance. Instructors will develop appropriate classroom assessment methods and procedures for calculating student grades, including the final semester grade. The following list displays typical assessment methods appropriate for this course. The actual assessment methods used in a particular classroom and section will be listed in the instructor's syllabus.

Methods must effectively evaluate critical thinking. Credit courses must include written communication, problem solving, and/or skills demonstrations.

Multiple measures may include, but are not limited to, the following:

**Methods**

- Class Participation
- Class Work
- Exams/Tests
- Field Trips
- Group Projects
- Homework
- Lab Activities
- Oral Presentation
- Papers
- Portfolios
- Projects
- Quizzes
- Research Projects
- Simulation

**Representative Texts**

Textbooks such as the following are appropriate:

**Formatting Style**

APA

**Textbooks**

1. Mayer, R. G.. *Embalming, History, Theory and Practice*, 5 ed. McGraw-Hill, 2011
2. de la Cruz, D. and Holmes, R.. *Turning Art Into Science: Applying Chemistry to Funeral Service*, 1 ed. Tuesday Evening Publications, 2016

**Manuals**

*You have no manuals defined.*

**Periodicals**

*You have no periodicals defined.*

**Software**

1. Mortraq. RynoFlip, 1 ed.



Required graduation task tracking software.
---

<b>Other</b>	
	1. Cañada College Funeral Service Education Student Handbook 2021-2022

<b>Degree/Certificate Applicability</b>	
<b>Designation</b>	Degree Credit
<b>Proposed For</b>	AA/AS Degree
<b>Course Designation Text</b>	Are there degrees/certificates to which this course applies? Funeral Service Education (A.S. Degree)

<b>General Education/Degree/Transfer Course</b>	
Page Last Saved on Wednesday, Oct 7, 2020 at 5:57 PM By Damon de la Cruz	
<b>CSU Transfer Course</b>	
	Transfers to CSU <span style="color: green;">Approved</span>

<b>Course Distance Education</b>	
<b>Distance Ed Supplement</b>	New distance education supplement
<b>Distance Education</b>	Distance education component was developed by an instructor with training in online pedagogy. Training: This course was designed in consultation with, and will be taught by, faculty who have received @One, Cañada's QOTL (Quality Online Teaching & Learning) or equivalent certifications.
<b>Method of Distance Education</b>	Online, Hybrid, Web Assisted Course; (If there are limitations on how this course would be offered please explain below)
<b>Online Method Limitations</b>	Lab component can only be taught face to face.
<b>Other Methods</b>	
<b>Course Content and Methodology</b>	The objectives and content of the course are adequately covered by the methods of instruction, assignments, evaluation of student outcomes, and instructional materials. If this course is currently taught in a lecture mode, the department faculty have determined that the same objectives can be achieved in a distance learning mode. The instructional equipment and materials are sufficient. The preparation and training of faculty are sufficient. Regular personal contact between students and instructor is sufficient. Methods of student evaluation are designed to maintain examination security. Evaluation of student outcomes is sufficient to permit review and assessment of the effectiveness of distance education for this course and to provide information for the annual distance education report.
<b>Instructional Methodologies (How will you deliver the course content?):</b>	Announcements/Bulletin Boards Chat Rooms E-mail Electronic Forum One-Way Video Conferencing (One-way interactive video and two-way interactive audio)

	Online Presentations Resource Links Two-Way Video conferencing (Two-way interactive video and audio)
<b>Representative Courseware/Textbooks Materials:</b>	
<b>Methods of Evaluation of Student Performance:</b>	Online quizzes (about 1/week) Online midterm exams (about 4/term) Proctored Final Exam
<b>How are you ensuring that students with disabilities can access your course in accordance with Section 508?</b>	1. Videos are captioned 2. Lecture screen-casts are captioned 3. Transcripts are provided for all multi-media files (audio and visual) 4. Alt-text is used for embedded images 5. Standardized formatting is used to support screen readers 6. All files are assessed for accessibility 7. Course is evaluated using the OEI Rubric 8. Faculty will work with DRC to ensure that proper accommodations are provided for students (e.g., extended time, Kurzweil, other UDI supports)

<b>Plan for Regular Effective Communication Contact Between Faculty and Student (Title 5, 55204). "Local policies should establish and monitor minimum standards of regular effective contact."</b>	
<b>Announcements/Bulletin Boards</b> - These will occur weekly as a minimum.	
<b>Email Communication</b> - Email communication will occur through the LMS. Example content will be reminders and notifications. Email responses will be within two days. Daily (with a frequency of 24-48 hours).	
<b>Resource Links</b> - Links to relevant news articles will be included with weekly announcements.	
<b>Office hours</b> - Office hours will be scheduled. Office hours can also be by appointment.	
<b>Telephone</b> - The instructor will be available via phone during office hours or by appointment.	

<b>Resources Needed</b>	
<b>Adequate Library Resources</b>	Consultation with the Coordinator of Library Services regarding the adequacy of campus and online information resources to fulfill course objectives is required prior to course approval. Adequate Please Specify: The accrediting board (the ABFSE) requires funeral specific resources in the library. Standard 8 of the accreditation Manual.
<b>Affected Resources</b>	Which of the following resources do you expect to be affected by the offering of this class? Check as many as appropriate.  Additional staff Facility changes Learning Center Tutorial Assistance Microcomputer Lab New equipment needs Library Media Center
<b>Explain what effect the areas you have checked will have upon this college:</b>	

<b>Comparable Transfer Course Information</b>	
<b>Are there comparable courses?</b>	Yes
<b>Edit/Del</b>	<b>College Info</b>

### Minimum Qualification

No Minimum Qualifications For this Course

#### CB Codes

<b>CB03 TOP Code</b>	1255.00 - Mortuary Science
<b>CB04 Course Credit Status</b>	D - Credit - Degree Applicable
<b>CB05 Course Transfer Status</b>	B = Transferable to CSU only
<b>CB08 Course Basic Skill Status (PBS Status)</b>	2N = Course is not a basic skills course.
<b>CB09 SAM Code</b>	C - Occupational
<b>CB11 California Classification Codes</b>	Y - Credit Course
<b>CB21 Levels Below Transfer</b>	Y = Not Applicable
<b>CB23 Funding Agency Category</b>	A = Fully Economic Development funds
<b>CB25 Course General Education Status</b>	Y - Not Applicable
<b>CB26 Course Support Course Status</b>	N - Course is not a support course

#### Codes/Dates

##### Entry of Special Dates

<b>Instruction Office Review</b>	11/13/2020
<b>Last Outline Revision</b>	11/13/2020
<b>Content Review</b>	11/13/2020
<b>CC Approval</b>	11/13/2020
<b>DE Approval</b>	11/13/2020
<b>Effective Term</b>	Term: Fall Year: 2021

#### Web Catalog

<b>Course Family</b>	
<b>Web Catalog</b>	<input type="checkbox"/> Exclude from Web Catalog

#### Instructional Services

<b>Implementation Date</b>	
<b>Originator</b>	Damon de la Cruz
<b>Origination Date</b>	04/10/2020

<b>Proposal Type</b>	Cañada New Course
<b>C-ID Numbers</b>	
<b>CB00 State ID</b>	
<b>CB03 TOP Code</b>	1255.00 - Mortuary Science
<b>CB04 Course Credit Status</b>	D - Credit - Degree Applicable
<b>CB05 Course Transfer Status</b>	B = Transferable to CSU only
<b>CB08 Course Basic Skill Status (PBS Status)</b>	2N = Course is not a basic skills course.
<b>CB09 SAM Code</b>	C - Occupational
<b>CB10 Course COOP Work Exp-ED</b>	N = Not part of Coop Work Exp
<b>CB11 California Classification Codes</b>	Y - Credit Course
<b>CB13-Special Class Status</b>	N - Not Special
<b>CB21 Levels Below Transfer</b>	Y = Not Applicable
<b>CB22 Non Credit Course Category</b>	Y - Not Applicable
<b>CB23 Funding Agency Category</b>	A = Fully Economic Development funds
<b>CB24-Program Course Status</b>	1 = Program Applicable
<b>CB25 Course General Education Status</b>	Y - Not Applicable
<b>CB26 Course Support Course Status</b>	N - Course is not a support course

**Web Catalog Metadata**