

# BIOL C297: MASTER ADVANCED ANATOMICAL DISSECTION

Item	Value
Curriculum Committee Approval Date	10/06/2023
Top Code	041000 - Anatomy and Physiology
Units	1 Total Units
Hours	54 Total Hours (Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

## Course Description

This lab course provides prior anatomy students who have completed Advanced Anatomical Dissection the opportunity to master dissect a portion of a human cadaver. The student will independently perform the dissections during open laboratory times under the guidance of an anatomy instructor. At the end of the course, the student will have masterfully dissected a selected section of a cadaver that can be used in future anatomy courses. PREREQUISITE: BIOL C220 with a minimum Grade of A and BIOL C296 with a minimum Grade of A; Instructor Approval. Transfer Credit: CSU.

## Course Level Student Learning Outcome(s)

1. Display safe and efficient dissecting techniques.
2. Describe the ethical practices required in human cadaver dissection.

## Course Objectives

- 1. Display safe and efficient dissecting techniques.
- 2. Perform a masterful dissection of a human cadaver prosection suitable for teaching purposes
- 3. Describe and follow ethical practices in the dissection of a human cadaver.
- 4. Follow appropriate biohazardous maintenance.

## Lecture Content

Meet with instructor to determine master project Student re-orientation to the cadaver lab Master dissection techniques Cadaver maintenance Proper storage procedures Ethical practices Biohazardous disposal End of term evaluation of dissection

## Lab Content

Choose desirable portion of cadaver to dissect (e.g., leg, arm, thorax/abdomen, head) Continue to develop appropriate dissection technique

Properly maintain cadaver and any lab storage Follow ethical practices in dissection Follow management of biohazardous material

## Method(s) of Instruction

- Lab (04)

## Instructional Techniques

Direct observation and development of dissection techniques.

## Reading Assignments

Review of dissection manuals and videos.

## Writing Assignments

Not required for lab course.

## Out-of-class Assignments

Not required for lab course.

## Demonstration of Critical Thinking

Development of dissection technique in learning how to dissect from known to unknown.

## Required Writing, Problem Solving, Skills Demonstration

Demonstration of safe, proper, and efficient dissection techniques. Demonstration of ethical practices in dissection. Evaluation of finish dissection section

## Eligible Disciplines

Biological sciences: Master's degree in any biological science OR bachelor's degree in any biological science AND master's degree in biochemistry, biophysics, or marine science OR the equivalent. Master's degree required.

## Manuals Resources

1. University of North Dakota. Anatomy 204L: Laboratory Manual (Second Edition), Open Educational Resources , 12-01-2018

## Other Resources

1. Student may use the instructor's resources of dissecting manuals or purchase one of his/her own.
2. Student may also utilize website videos.
3. Coastline Library