

# CSAD 621: RESEARCH METHODS IN AUDIOLOGY

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## In Workflow

1. CSAD Committee Chair (heather.thompson@csus.edu)
2. CSAD Chair (sac19804@csus.edu)
3. HHS College Committee Chair (heather.thompson@csus.edu)
4. HHS Dean (maguirem@csus.edu)
5. Academic Services (torsetj@csus.edu;%20cnewsome@skymail.csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu;%20celena.showers@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (torsetj@csus.edu)
10. Registrar's Office (w lindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Mon, 12 Oct 2020 19:09:43 GMT  
Heather Thompson (heather.thompson): Approved for CSAD Committee Chair
2. Mon, 12 Oct 2020 19:19:14 GMT  
Robert Pieretti (sac19804): Approved for CSAD Chair
3. Tue, 20 Oct 2020 22:58:49 GMT  
Heather Thompson (heather.thompson): Rollback to CSAD Committee Chair for HHS College Committee Chair
4. Tue, 20 Oct 2020 23:10:28 GMT  
Heather Thompson (heather.thompson): Rollback to Initiator
5. Tue, 20 Oct 2020 23:29:06 GMT  
Heather Thompson (heather.thompson): Approved for CSAD Committee Chair
6. Wed, 21 Oct 2020 22:27:29 GMT  
Robert Pieretti (sac19804): Approved for CSAD Chair
7. Thu, 22 Oct 2020 01:56:05 GMT  
Heather Thompson (heather.thompson): Approved for HHS College Committee Chair
8. Thu, 22 Oct 2020 02:27:50 GMT  
Mary Maguire (maguirem): Approved for HHS Dean

## History

1. Aug 29, 2019 by 212408496

## New Course Proposal

Date Submitted: Tue, 20 Oct 2020 23:27:41 GMT

## Viewing: CSAD 621 : Research Methods in Audiology

Last approved: Thu, 29 Aug 2019 17:13:17 GMT

Last edit: Tue, 20 Oct 2020 23:27:40 GMT

Changes proposed by: Heather Thompson (215502704)

## Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Heather Thompson	heather.thompson@csus.edu	916-278-6654

## Catalog Title:

Research Methods in Audiology

## Class Schedule Title:

Research methods in aud

## Academic Group: (College)

HHS - Health & Human Services

## Academic Organization: (Department)

Communication Sciences and Disorders

**Will this course be offered through the College of Continuing Education (CCE)?**

No

**Catalog Year Effective:**

Fall 2021 (2021/2022 Catalog)

**Subject Area: (prefix)**

CSAD - Communication Sciences and Disorders

**Catalog Number: (course number)**

621

**Course ID: (For administrative use only.)**

203171

**Units:**

3

**In what term(s) will this course typically be offered?**

Spring term only

**Does this course require a room for its final exam?**

Yes, final exam requires a room

**Does this course replace an existing experimental course?**

No

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

CSAD 621: Research Methods in Audiology was created in 2018 to meet requirements for the Doctorate in Audiology program that began in the Fall of 2020. CSAD 621 was originally developed as a GWI course during the curriculum review in 2018. However, additional assignments were required for the course to meet criteria as a GWI through OGS. Modifications to the course in the area of assignments and GWI ELOs are required for it to meet criteria as a GWI course, changes have been made here.

This course serves as an introduction to research methods, design, and analysis used in audiology. Students will learn how to critically evaluate research for future clinical practice. The major writing assignment in this course is a full research paper, including data analysis. In addition, the course provides guidance with developing a proposal for the Au.D. doctoral project, which will be completed under the supervision of a supervising faculty member and the student's doctoral project committee. As a GWI course, the content will help students to understand and gain experience with major writing conventions and practices within audiology, and provide opportunities for students to further develop their writing skills through reflection, feedback, and revisions.

**Course Description: (Not to exceed 80 words and language should conform to catalog copy.)**

Treatment of human subjects and research methods. Overview of the research process, including research designs, development of data collection instruments, and data collection, and introduction to basic statistical concepts for the Au.D. doctoral project. Ethical considerations of research are also discussed.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Does this course require safety training?**

No

**Does this course require personal protective equipment (PPE)?**

No

**Does this course have prerequisites?**

Yes

**Prerequisite:**

Admission to Doctor of Audiology program; CSAD 611, CSAD 612, CSAD 613, CSAD 614

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

No

**Graded:**

Letter

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Lecture

**Lecture Classification**

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

**Lecture Units**

3

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

No

**Can the course be taken for credit more than once during the same term?**

No

**Description of the Expected Learning Outcomes: Describe outcomes using the following format: 'Students will be able to: 1), 2), etc.'****GRADUATE EXPECTED LEARNER OUTCOMES (ELO)**

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

1. State the steps of the scientific method
2. Describe the importance of research and the role of audiologists in evidence-based clinical research
3. Explain the history of scientific research, including human subjects research, ethics, and authorship
4. Describe the importance of the scientific method
5. List the levels of research evidence
6. Differentiate between research designs and methods commonly used in audiology research
7. Perform a literature search on relevant research for a topic of interest
8. Develop a testable research question and hypothesis
9. Critique research articles and their application to evidence-based practice
10. Perform basic statistical tests, including uses, assumptions, limitations, and applications
11. Describe research designs, methodologies, and analyses used in qualitative research
12. Design a research proposal for the Au.D. capstone project with guidance from a supervising audiology faculty member and committee

Required/recommended course readings and activities- see attached syllabus

**GW GENERAL LEARNING GOALS:**

By the end of the semester, students will

13. Understand the major research and/or professional conventions, practices, and methods of inquiry of the discipline
14. Understand the major formats, genres, and styles of writing used in the discipline
15. Practice reading and writing within the discipline
16. Practice reading and writing as a learning process that involves peer and instructor feedback, revision, critical reflection, and self-editing

**Attach a list of the required/recommended course readings and activities:**

CSAD621\_supporting assignments and rubrics.docx

**Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.**

Human Subjects Training [ELO 1, 13]  
Discussion board posts (10 points x 5 = 50 points) [ELO 9, 13, 15, 16]  
Research question and hypothesis (100 points) [ELO 8, 15, 16]  
Annotated bibliography (50 points x 5 = 250) [ELO 7, 14, 16]  
Literature review (300 points) [ELO 7, 15, 16]  
Proposal (500 points) [ELO 12]  
Exam 1 (250 points) [ELO 1-5, 13]  
Exam 2 (250 points) [ELO 6, 8-10]  
Final exam (250 points) [ELO 1-6, 8-11]  
APA Module [ELO 12, 13]  
Participation in peer reviews [ELO 9, 13, 15, 16]  
TOTAL COURSE POINTS AVAILABLE = 1950

**Is this course required in a degree program (major, minor, graduate degree, certificate?)**

Yes

**Has a corresponding Program Change been submitted to Workflow?**

No

**Identify the program(s) in which this course is required:**

**Programs:**

Doctor of Audiology

**Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?**

No

**Will there be any departments affected by this proposed course?**

No

**I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.**

I/we agree

## **University Learning Goals**

**Doctorate Learning Goal(s):**

Critical thinking/analysis  
Communication  
Information literacy  
Disciplinary knowledge  
Intercultural/Global perspectives  
Professionalism  
Research

**Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

**Is this a Graduate Writing Intensive (GWI) course?**

Yes

**Please attach the GWI Course Approval Request form:**

CSAD621\_gwi\_form.pdf

**Please attach any additional files not requested above:**

CSAD621\_Research Methods in Aud Revised10\_20\_2020.pdf

**Reviewer Comments:**

**Heather Thompson (heather.thompson) (Tue, 20 Oct 2020 22:58:49 GMT):** Rollback: Committee approved the form with pending changes. Please refer to the discussion during meeting. Committee members from the department will provide the detailed changes to the chair/author. Once re-submitted, the chair may approve the proposal immediately

**Heather Thompson (heather.thompson) (Tue, 20 Oct 2020 23:10:28 GMT):** Rollback: Revisions required.

Key: 13928