

CDSC 436
Communicative Disorders Research
Course Syllabus

Course Description:

Students complete the NIH Human Participant Protection Education for Research Teams online course and then participate in the design, execution, and analysis of an empirical research project in communicative disorders under faculty supervision in the departmental laboratory or clinic. This course is intended to help prepare students to practice in an effective, ethical, legal, and safe manner. Prerequisite: CDSC 435 or permission of the instructor. 3 (1-4) Offered every semester.

Learning Outcomes:

1. Demonstrate knowledge of federal regulations for the protection of human participants in research.
2. Design an experiment or descriptive research study in communicative disorders and sciences.
3. Execute an experimental or descriptive research study in communicative disorders and sciences.
4. Analyze the results of an experimental or descriptive study communicative disorders and sciences.
5. Complete a written research report.

The above objectives comply with ASHA Standard III.B.

Resource Readings:

Schiavetti, N. & Metz, D.E. (2001). Evaluating Research in Communicative Disorders (4th Ed.). Boston, MA: Allyn & Bacon.

American Speech-Language Association. (2001). Promoting Research Integrity in Communication Sciences and Disorders and Related Disciplines. Rockville, MD: Author.

Kerlinger, F. & Lee, H. (2000). Foundations of Behavioral Research. NY: Harcourt Brace.

Kirk, R. E. (1999). Statistics: An Introduction. NY: Harcourt Brace.

<http://www.cancer.gov/clinicaltrials/learning/page3>

(This is the URL for the NIH training for researchers. Once the student completes this training module, s/he sends the certificate of completion to the instructor for forwarding to the Director of Sponsored Research.)

Course Requirements:

The purpose of this research course is to enable advanced students in the program to participate in the design, execution, and analysis of research in communicative disorders and sciences. Research techniques that will be experienced include experimental and descriptive approaches to the study of speech, language, and hearing parameters that are critical for understanding of disordered communication.

Students will complete a laboratory investigation during the semester to gain the skills necessary to complete a final major research project. Written laboratory reports will be required and will be assigned a grade based on the student's demonstration that s/he has accurately applied the specific research technique and accurately interpreted the results. The final grade will be based on the completion of data collection and analysis and written report of the research project. Format of written report:

- 1) Abstract of Research Study
- 2) Background and Purpose
- 3) Method
- 4) Results and Conclusions

Formative and Summative Experiences:

To enhance learning based on student input, this course contains both formative and summative experiences. Formative experiences shall include 1) designated question periods at the beginning of each class, and 2) individual question/answer sessions during the conduct of the research project. The summative experience will be a formal evaluation of the student's written research report.

Students Who Have Special Needs

SUNY Geneseo will make reasonable accommodations for persons with documented physical, emotional or learning disabilities. Students should **consult with** the Director in the Office of Disability Services (Tabitha Buggie-Hunt, 105D Erwin, tbuggieh@geneseo.edu) and their individual faculty **regarding** any needed accommodations as early as possible in the semester.