

Eastern Illinois University
New/Revised Course Proposal Format
(Approved by CAA on 4/3/14 and CGS on 4/15/14, Effective Fall 2014)

CGS Agenda Item: 19-16
Effective Summer 2019

Banner/Catalog Information (Coversheet)

1. ☐ New Course or ☒ Revision of Existing Course
2. Course prefix and number: CDS 5000
3. Short title: Research Methods in CDS
4. Long title: Research Methods in Communication Disorders & Sciences
5. Hours per week: ☐ 1 Class ☐ 0 Lab ☐ 1 Credit
6. Terms: ☐ Fall ☐ Spring ☒ Summer ☐ On demand
7. Initial term: ☐ Fall ☐ Spring ☒ Summer Year: 2019
8. **Catalog course description:** Introduction to descriptive and experimental research design in the field of communication disorders and science with focus on comprehension of published research utilizing common research designs.
9. **Course attributes:**

General education component: N/A

☐ Cultural diversity ☐ Honors ☐ Writing centered ☐ Writing intensive ☐ Writing active
10. **Instructional delivery**
Type of Course:

☒ Lecture ☐ Lab ☐ Lecture/lab combined ☐ Independent study/research
☐ Internship ☐ Performance ☐ Practicum/clinical ☐ Other, specify: _____
Mode(s) of Delivery:

☒ Face to Face ☐ Online ☐ Study Abroad
☐ Hybrid, specify approximate amount of on-line and face-to-face instruction _____
11. **Course(s) to be deleted from the catalog once this course is approved:** None
12. **Equivalent course(s):** None
 - a. Are students allowed to take equivalent course(s) for credit? ☐ Yes ☐ No
13. **Prerequisite(s):** None
 - a. Can prerequisite be taken concurrently? ☐ Yes ☐ No
 - b. Minimum grade required for the prerequisite course(s)? _____
 - c. Use Banner coding to enforce prerequisite course(s)? ☐ Yes ☒ No

d. Who may waive prerequisite(s)?

☐ No one ☒ Chair ☐ Instructor ☐ Advisor ☐ Other (specify)

14. Co-requisite(s): None

15. Enrollment restrictions:

a. Degrees, colleges, majors, levels, classes which may take the course: Course is restricted to students accepted into the Master of Science program in Communication Disorders & Sciences.

b. Degrees, colleges, majors, levels, classes which may not take the course: _____

16. Repeat status: ☒ May not be repeated ☐ May be repeated once with credit

17. Enter the limit, if any, on hours which may be applied to a major or minor: _____

18. Grading methods: ☒ Standard ☐ CR/NC ☐ Audit ☐ ABC/NC

19. Special grading provisions:

☐ Grade for course will not count in a student's grade point average.

☐ Grade for course will not count in hours toward graduation.

☐ Grade for course will be removed from GPA if student already has credit for or is registered in:

☐ Credit hours for course will be removed from student's hours toward graduation if student already has credit for or is registered in: _____

20. Additional costs to students:

Supplemental Materials or Software _____

Course Fee ☒ No ☐ Yes, Explain if yes _____

21. Community college transfer:

☐ A community college course may be judged equivalent.

☒ A community college may not be judged equivalent.

Note: Upper division credit (3000+) will not be granted for a community college course, even if the content is judged to be equivalent.

Rationale, Justifications, and Assurances (Part I)

1. X Course is required for the major(s) of: Master of Science in Communication Sciences & Disorders

 Course is required for the minor(s) of _____

 Course is required for the certificate program(s) of _____

 Course is used as an elective

2. **Rationale for proposal:** Previously was a 2 s.h. course which covered research design/methods as well as finding and critiquing articles for evidence-based practice (EBP). The EBP portion of the course will be moved to a new 1 semester hour clinic companion course CDS 5905. The research methods information is also easier to cover now than it was when the course was last updated 10 years ago because all graduate students are required to have a statistics course during their undergraduate program.

3. **Justifications for (answer N/A if not applicable):**

Similarity to other courses: N/A

Prerequisites: N/A

Co-requisites: N/A

Enrollment restrictions: Course is restricted to students accepted into the Master of Science program in Communication Disorders & Sciences.

Writing active, intensive, centered: N/A

4. **General education assurances (answer N/A if not applicable):**

General education component: N/A

Curriculum: N/A

Instruction: N/A

Assessment: N/A

5. **Online/Hybrid delivery justification & assurances (answer N/A if not applicable):**

Online or hybrid delivery justification: N/A

Instruction: N/A

Integrity: N/A

Interaction: N/A

Model Syllabus (Part II)

Please include the following information:

1. **Course number and title:** CDS 5000 Research Methods in Communication Disorders and Sciences
2. **Catalog description:** Introduction to descriptive and experimental research design in the field of communication disorders and science with focus on comprehension of published research utilizing common research designs.
3. **Learning objectives.**
 - a. Students will describe the need for scientific research in the communication sciences, including knowledge created through basic and applied studies. (*depth of content knowledge; critical thinking*)
 - b. Students will differentiate and describe common single subject and group research designs. (*depth of content knowledge; critical thinking.*)
 - c. Students will choose statistical methods for analyzing data and understand numerical results within research articles (*depth of content knowledge; critical thinking*)
 - d. Students will comprehend, critique and effectively summarize results from published research articles (*critical thinking, written communication*)
4. **Course materials.**

Required text:

 - Orlikoff, Schiavetti, and Metz (2015). *Evaluating Research in Communicative Disorders-7th Edition (2015)*. Boston, MA: Pearson Education, Inc.
5. **Weekly outline of content.**

Week 1

Need for scientific research in speech-language pathology

Week 2-3

Descriptive vs. experimental group research designs

Week 4-5

Single subject experimental designs and case study research

Week 6-7

Factors influencing internal and external validity of research designs

Week 8

Midterm Exam

Comprehend, critique and effectively summarize Introduction section of research articles

Week 9-10

Comprehend, critique and effectively summarize Methods section of research articles

Weeks 11-13

Understanding choice and interpretation of descriptive and inferential statistics

Comprehend, critique and effectively summarize Results section of research articles.

Weeks 14

Comprehend, critique and effectively summarize Discussion section of research articles

Week 15

Summarizing research articles without plagiarizing

Week 16

Final Exam

6. Assignments and evaluation, including weights for final course grade.

In-class activities	(credit/no credit)
Midterm exam	(35%)
Final exam	(35%)
2 article summaries	(30%)

7. Grading scale.

Final grades are assigned from the cumulative point total according to the following scale.

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	59% & below

8. Correlation of learning objectives to assignments and evaluation.

	In-Class Activities	Midterm Exam	Final Exam	Article Summaries
Students will describe the need for scientific research in the communication sciences, including knowledge created through basic and applied studies. (<i>depth of content knowledge; critical thinking</i>)	X	X		
Students will differentiate and describe common single subject and group research designs. (<i>depth of content knowledge; critical thinking.</i>)	X	X	X	
Students will choose statistical methods for analyzing data and understand numerical results within research articles (<i>depth of content knowledge; critical thinking</i>)	X		X	
Students will comprehend, critique and effectively summarize results from published research articles (<i>critical thinking, written communication</i>)	X		X	X

Date approved by the department or school:

October 31, 2018

Date approved by the college curriculum committee:

December 12, 2018

Date approved by the Honors Council (*if this is an honors course*):

Date approved by CAA: CGS: