

## Scientific Research Communication Standard Course Outline

### I. General Information

- A. RSCH 361
- B. Scientific Research Communications
- C. 3
- D. Completion of the GE foundation, completion of one explorations course, score of 11 or higher on the GVAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone.
- E. : C-4 Discussion
- F. : TBD
- G. Dr. Douglas McAbee (NSCI)
- H. Spring/Fall 2015

### II. Catalog Description

Scientific Research Communications (3)

Prerequisites. Completion of the GE foundation, completion of one explorations course, score of 11 or higher on the GVAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone. Introduction





Assignment Description	Linked to SLO	~ Words	% Course Grade	Semester Week
1. Resume/Cover letter	1, 5, 6, 7	500	10	2
2. Literature search/information access	2	300	10	4-5
3. Critical reading of literature	3, 6, 7			

assignment. Approximately 80% of instructor office hours will be devoted to one-on-one editing assistance with students.

## **V. Outline of Subject Matter**

An outline of the topics covered in NSCI 361 is provided below. The emphasis and sequence of topics may vary by instructor. (

- The purpose of scientific writing ( )
- Routine communications ( )
- The elements of scientific writing ( )
- Writing reader-based texts (writing for understanding) ( )
- Assessing information (library visit and hands-on practice in accessing literature and data from various science data bases) ( )
- Appropriate graphic presentation of information ( )
- The process of writing and editing ( )
- Best practices: news writing ( )
- Crafting sentences and use of punctuation ( )
- Reading and analysis of scientific papers ( )
- Persuasive writing: research proposal writing and peer-review ( )
- Putting together an oral presentation ( )
- Putting together a scientific poster ( )

## **VI. Method of Instruction**

NSCI 361 will be offered as a face-to-face course only (no hybrid or online course). Generally, class time will be divided into lecture (60-70%) and in-class exercises (30-40%). Lectures provide background and content on the subject at hand, and in-class exercises provide the students with practice at developing their writing and editing skills. Class time focused on research proposal writing and review will include in-class activities

Boiarsky C (2014) Will We Ever Learn: Case Studies of Rhetorical Errors and Effective Rhetorical Strategies in Written Communication—From the Challenger Accident to the BP/Horizon







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 , 2nd ed., WW Norton & Co (New York)

Gurak, LJ (1999) . Longman (Brighton, UK)

Hale C (2001) . Broadway Books (New  
York)

Heffernan JAW, et al (2000) “ ”, 5th

