409. Critical Perspectives in Communication  
Spring. 4(4-0)  
P: One 200 level course in Communication. R: Not open to freshmen and sophomores.  
Evaluation of efficacy of messages. Interdependence of communication and other societal factors, emphasizing criteria for ethical and social appropriateness.  

475. Communication Campaign Design and Analysis (W)  
Fall. 4(4-0)  
R: Open only to junior, senior or graduate student Communication majors. Completion of Tier I writing requirement.  
Design and analysis of campaigns presented through mediated channels including electronic and print media.  

490. Independent Study  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course.  
P: One 200 level COM course. R: Not open to freshmen and sophomores. Approval of department; application required. Directed study under faculty supervision.  

492. Internship  
Fall, Spring, Summer. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course.  
P: Open only to Communication majors. Approval of department; application required. Supervised practical experience in a professional environment.  

494. Practicum in Communication Research and Instruction  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: Open only to Communication majors. Approval of department; application required. Structured participation in departmental research teams and applied practice in the community.  

800. Communication Programs and Evaluation  
Fall. 3(3-0)  
Communication research audits, training and development, and focus groups as they apply to the evaluation of communication programs and institutions. Related topics include interviewing, questionnaire design and formative evaluation.  

801. Communication Research I  
Fall. 4(4-0)  
Communication research strategy and methodology. Scientific process. Derivation and test of hypotheses. Methods of research design.  

802. Communication Research II  
Spring. 4(4-0)  
P: COM 801.  
Further consideration of communication research strategy and methodology. Topics include systems theory, cybernetics, and transactional approach.  

815. Organizational Communication I  
Fall. 4(4-0)  
Emphasis on dynamic and group processes and organizational intervention strategies. Topics include managing diversity, organizational structure, and communication productivity.  

820. Communication Theory and Process  
Fall. 3(3-0)  
Theoretical models of communication with emphasis on the applications of communication theory to various professional communication areas.  

829. Cross-Cultural Communication  
Spring. 3(3-0)  
Problems in communicating across cultural boundaries. Role of communication in the economic, social, and political development of less developed countries.  

855. Codes and Code Systems  
Spring. 4(4-0)  
Structure and function of verbal and nonverbal communication. Relationship between discourse and context. Generation of meaning through interaction.  

860. Persuasion  
Fall. 3(3-0)  
Use of messages to gain compliance and effect social change. Persuasion and attitude change from classical theories to contemporary situations.  

889. Master's Thesis Research  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 14 credits in all enrollments for this course.  
P: Open only to graduate students in Communication. Supervised experience in an applied-communication setting.  

900. Communication Research Design I  
Fall. 4(4-0)  
P: One introductory research design or statistics course. Methods of data collection and analysis. Writing and critiquing research reports.  

902. Communication Research Design II  
Spring. 4(4-0)  
P: COM 901. R: Open only to graduate students. Further study of methods of data collection and analysis. Writing and critiquing research reports.  

915. Organizational Communication II  
Spring of odd-numbered years. 3(3-0)  
P: COM 815; COM 860 or COM 902.  
Organizational communication structure and information processing. The organization's embeddedness in a larger social environment.  

921. Micro and Macro Media  
Fall of odd-numbered years. 3(3-0)  
P: COM 800 or COM 902.  
Perspectives on media processes pertaining to individuals, groups, and large-scale systems. Topics include cognitive processing of media, public opinion and affective responses to media.  

990. Independent Study  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: Open only to graduate students in Communication. Approval of department. Individualized study under faculty direction.  

992. Doctoral Seminar  
Fall, Spring, Summer. 3(3-0)  
A student may earn a maximum of 15 credits in all enrollments for this course.  
P: Approval of department.  
Topics pertaining to advanced study of communication processes.  

993. Doctoral Dissertation Research  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 16 credits in all enrollments for this course.  
P: Approval of department.  
Topics pertaining to advanced study of communication processes.  

999. Doctoral Dissertation Research  
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course.  
P: Open only to Ph.D. students in Communication.  

COMMUNICATION ARTS AND SCIENCES  

College of Communication Arts and Sciences  

492. Special Topics  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 16 credits in all enrollments for this course.  
P: Approval of department.  
Topics to be announced.  

499. Doctoral Dissertation Research  
Fall, Spring, Summer. 1 to 99 credits. A student may earn a maximum of 99 credits in all enrollments for this course.  
P: Approval of department.  
Topics to be announced.  

COMPUTER SCIENCE  

CPS  

Department of Computer Science  
College of Engineering  

100. Using Computers  
Fall, Spring, Summer. 3(2-2)  
P: Freshmen and sophomores only. Not open to students in the College of Engineering and the College of Natural Sciences.  

150. Introduction to Computing  
Fall, Spring, Summer. 3(2-2)  
Computer Aided Software Engineering for design. Structured, modular BASIC for programming. Selection, loops, arrays, sequential and direct files, character and pixel graphics, and spreadsheets. Applications from business, science and humanities.  

A-35