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.

874 Communication in Logistics
Fall, 1(1-1) R: Open only to students in the Master of Science in Logistics.
Development of effective interpersonal communication skills. Oral communication in business settings. Use of appropriate technology for management presentations.

890 Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.
Individualized study under faculty direction.

893 Internship
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in Communication. Supervised experience in an applied-communication setting.

899 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. R: Open only to graduate students in Communication. Master's thesis research.

901 Communication Research Design I
Fall, 4(4-0) R: One introductory research design or statistics course. R: Open only to doctoral students. Methods of data collection and analysis. Writing and critiquing research reports.

902 Communication Research Design II
Spring, 4(4-0) R: (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 years. 3(3-0) R: (COM 815) Organizational communication structure and information processing. The organization's embeddedness in a larger social environment.

921 Micro and Macro Media
Fall of odd years. 3(3-0) 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.

922 Interpersonal Communication
Fall, 3(3-0) Theory and research in interpersonal communication. Role of communication in processes such as interpersonal influence and relationship development.

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. R: Open only to graduate students in Communication. Approval of department. Individualized study under faculty direction.

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. R: Open only to Ph.D. students in Communication. Doctoral dissertation research.

COMMUNICATION ARTS AND SCIENCES

College of Communication Arts and Sciences

192 Environmental Issues Seminar
Fall, Spring, 1 credit. A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Natural Science; Agriculture and Natural Resources; Engineering; Social Science. Administered by College of Natural Science. R: Open only to students in the College of Agriculture and Natural Resources or College of Engineering or College of Natural Science or College of Communication Arts and Sciences or College of Social Science. Approval of college. Environmental issues and problems explored from a variety of perspectives, including legal, scientific, historical, political, socio-economic, and technical points of view.

292 Applications in Environmental Studies
Fall, 2(1-2) Interdepartmental with Natural Science; Agriculture and Natural Resources; Engineering; Social Science. Administered by College of Natural Science. P: (NSC 192) R: Open only to students in the Specialization in Environmental Studies. Community engagement project. Projects vary depending on student's major and area of environmental interest.

299 Media Writing
Fall, Spring, Summer. 3(1-4) Writing for mass media.

492 Special Topics
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Approval of college. Varied topics pertaining to the study of communication processes.

825 Mass Communication and Public Health
Fall, 3(3-0) R: Academic or professional background in mass communication and/or health. Health communication campaigns in domestic and international contexts. Focus on principles of effective communication.

826 Health Communication for Diverse Populations
Spring, 3(3-0) R: Academic or professional background in mass communication and/or health. Theory, research, and practice of communicating with specialized populations in clinical and public health contexts. Emphasis on interpersonal and small-group strategies.

892 Special Topics
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open only to graduate students in the College of Communication Arts and Sciences or approval of college. Varied topics pertaining to advanced study of communication processes.

992 Doctoral Seminar
Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 15 credits in all enrollments for this course. R: Open only to Ph.D. students in Mass Media and Communication or approval of college. Topics on theoretical and research issues in communication and mass media.

993 Research Internship
Fall, Spring, Summer. 1 credit. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to Ph.D. students in Mass Media. Participation in faculty research projects.

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. R: Open only to Ph.D. students in Mass Media. Doctoral dissertation research.
**Computer Organization and Architecture**

**Fall, Spring, 3(3-0) P:** (CSE 232 and CSE 260) SA: CPS 320 Not open to students with credit in ECE 331.


**Object-oriented Software Design**

- Fall, Spring, 3(3-0) P: (CSE 232 and CSE 260) R: Open only to students in the Department of Computer Science and Engineering or Computer Engineering majors or the LBS Computer Science field of concentration or the LBS Computer Science coordinate major or the Computer Science disciplinary minor.

- Linear data structures, trees, graphs and algorithms which operate on them. Fundamental algorithms for searching, sorting, string matching, graph problems. Design and analysis of algorithms.

**Operating Systems**

- Fall, Spring, 3(3-0) P: (CSE 232 and CSE 260) and (CSE 320 or ECE 331) R: Open only to students in the Department of Computer Science and Engineering or the Computer Engineering major or the LBS Computer Science field of concentration or the LBS Computer Science coordinate major or the Computer Science disciplinary minor. SA: CPS 410


**Computer Architecture**

- Fall, Spring, 3(3-0) P: (CSE 232 and CSE 260) and (CSE 320 or ECE 331) R: Open only to students in the Department of Computer Science and Engineering or the Computer Engineering major or the LBS Computer Science field of concentration or the LBS Computer Science coordinate major or the Computer Science disciplinary minor. SA: CPS 420