

**Descriptions — Civil Engineering
of
Courses**

- 915. Earth Structures**
Fall of odd-numbered years. 3(3-0)
P: CE 812.
Design of earth dams and embankments. Natural and cut slopes, slope stability analysis. Embankments on soft foundations, seepage analysis, earth reinforcement. Instrumentation.
- 916. Soil Dynamics**
Spring. 3(3-0)
P: CE 812.
Vibration fundamentals and wave propagation in soil media. Dynamic soil properties. Theory and design of foundations for vibratory loads. Characteristics of ground motion during earthquakes. Soil liquefaction. Settlement under transient and repeated loads.
- 921. Advanced Topics in Groundwater**
Spring of odd-numbered years. 3(3-0)
P: CE 821.
Formulation and use of numerical simulation to model the physics of flow and contaminant transport in complex settings or the mechanics of immiscible fluids in porous media.
- 929. Selected Topics in Hydraulics**
Fall of odd-numbered years. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: CE 826 or CE 828 or CE 829.
Advanced fluid mechanics and hydraulics related to civil and environmental engineering.
- 999. Doctoral Dissertation Research**
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 72 credits in all enrollments for this course.

- 350. Greek and Roman Literature in English Translation**
Fall. 3(3-0)
R: Not open to freshmen.
Representative works of major Greek and Roman authors.
- 400. Women in Classical Greek Society**
Fall. 3(3-0) Interdepartmental with Women's Studies.
R: Not open to freshmen and sophomores.
Images, roles, and statuses of women in Greek society as seen through literary sources.
- 410. Greek Mythology**
Spring. 3(3-0)
R: Not open to freshmen and sophomores.
Myths as social discourse defining order in Greek culture, as source of inspiration for poets and thinkers, and as legacy for modern Western culture.
- 420. Greek and Roman Religions**
Fall of odd-numbered years. 3(3-0)
R: Not open to freshmen and sophomores.
Religious life of the Greeks and Romans. Cults, priesthoods, festivals, rites, and the ecstatic and mystic movements.
- 499. Senior Thesis**
Fall, Spring. 3(3-0)
P: LTN 402. R: Approval of department.
Scholarly research and writing with a focus on specific problems, under faculty supervision.

- 275. Effects of Mass Communication**
Fall, Spring, Summer. 3(3-0) Interdepartmental with Telecommunication. Administered by Telecommunication.
R: Not open to freshmen.
Major social effects of mass media on audience behavior. Political communication. Media effects on children. Message strategies producing attitude change. Interrelationships between mass media and interpersonal communication.
- 315. Information Gathering and Interviewing Theories**
Fall of odd-numbered years. 3(3-0)
R: Open only to juniors and seniors.
Information gathering as a relational process. Interaction through the asking and answering of questions.
- 325. Interpersonal Communication Theory and Research**
Fall, Spring. 3(3-0)
R: Open only to juniors and seniors.
Theories, processes and models of interpersonal communication. Topics include conflict resolution, deception, consensus, and uncertainty reduction in communication.
- 340. Dyadic and Group Processes in Organizations**
Spring. 3(3-0)
R: Open only to juniors and seniors.
Theory and research on dyadic and group relations within organizations. Topics include leadership, motivation, networks, decision making, and organizational taxonomy.
- 375. Audience Response to Mediated Communication**
Spring. 3(3-0)
R: Open only to juniors and seniors.
Theory and research on audience responses to mediated communication including entertainment.

CLASSICAL STUDIES CLA

**Department of Romance and
Classical Languages
College of Arts and Letters**

- 120. English from Latin and Greek Roots**
Fall of odd-numbered years. 3(3-0)
Prefixes, suffixes, and roots of English vocabulary from Greek and Latin word elements.
- 121. Medical Terminology**
Spring of even-numbered years. 3(3-0)
Basic Greek and Latin word elements used in the formation of prefixes, suffixes, and roots.
- 292. Introduction to Ancient Studies**
Fall. 2(1-2) Interdepartmental with Arts and Letters, History, and History of Art. Administered by Arts and Letters.
Methods and current trends in the study of the Greek and Roman world. Visits to library and museum collections.
- 300. Greek Civilization**
Fall. 3(3-0)
R: Not open to freshmen.
Political, social, religious, and intellectual life of ancient Greece from the Mycenaean period to the death of Alexander the Great, through such authors as Homer, Herodotus, Aeschylus, Euripides, Aristophanes, Thucydides, and Plato.
- 310. Roman Civilization**
Spring. 3(3-0)
R: Not open to freshmen.
Enduring features of Roman civilization to Justinian. Political institutions, religion, architecture, literary forms, creative arts, and gender roles.

COMMUNICATION COM

**Department of Communication
College of Communication Arts
and Sciences**

- 100. Human Communication**
Fall, Spring, Summer. 3(3-0)
Process and functions of communication. Principles underlying communication behavior. Practice in analyzing communication situations and in speaking and writing.
- 200. Methods of Communication Inquiry**
Fall, Spring, Summer. 4(3-2)
P: MTH 110 or MTH 116 or designated score on mathematics placement test.
Nature and conduct of communication inquiry. Significant questions about communication and finding systematic answers.
- 225. An Introduction to Interpersonal Communication**
Fall, Spring, Summer. 3(3-0)
Principles and practices of interpersonal communication. Emphasis on effective and responsible interpersonal communication.
- 240. Introduction to Organizational Communication**
Fall, Spring, Summer. 4(4-0)
Theories, systems, structures and processes of organizational communication. Organizational cultures. Communication in multinational organizations and in individual, leadership, supervisor-subordinate and small group situations.
- 391. Topics in Verbal or Intercultural Communication**
Fall. 4(4-0) A student may earn a maximum of 8 credits in all enrollments for this course.
P: One 200 level course in Communication. R: Not open to freshmen and sophomores.
Topics in cultural diversity and verbal interaction.
- 399. Special Topics in Communication**
Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: One 200 level COM course. R: Not open to freshmen and sophomores.
Contemporary issues in communication.
- 425. Communication in Close Relationships (W)**
Fall, Spring. 4(4-0)
P: COM 225 or COM 325. R: Open only to junior, senior or graduate student Communication majors. Completion of Tier I writing requirement.
In-depth treatment of current research and of theoretical and methodological issues.
- 440. Organizational Communication Structure (W)**
Fall. 4(4-0)
P: COM 340. R: Open only to junior, senior or graduate student Communication majors. Completion of Tier I writing requirement.
Systems approaches to information processing and communication structures in organizations.

460. 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.

493. Internship
Fall, Spring, Summer, 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course.

R: 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 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

R: 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 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, 3(3-0)

Emphasis on dyadic 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.

828. 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.

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.

901. 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 800 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.

922. Interpersonal Communication
Fall, 3(3-0)

P: COM 800 or COM 902. 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.

COMMUNICATION ARTS AND SCIENCES CAS

College of Communication Arts and Sciences

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 department.

Varied topics pertaining to the study of communication processes.

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.

COMPUTER SCIENCE CPS

**Department of Computer Science
College of Engineering**

100. Using Computers
Fall, Spring, Summer, 3(2-2)

R: Freshmen and sophomores only. Not open to students in the College of Engineering and the College of Natural Science.

Applications of computation. Computer hardware, software, communication and networks. Impact of computation and computers on the individual and society. Hands-on application exercises. Databases, files, systems, graphics, spreadsheets, wordprocessing.

130. 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.