speaking situations; trends in argumentation theory; argumentation in practice.

4165 History and Criticism of American Public Address (3) Prereq.: CMST 2060 or 2063 or 4160. American public address from colonial times to the present; speeches of outstanding figures of the theater, lawyers, and clergymen and sources of their effectiveness.

4166 History and Criticism of British Public Address (3) Prereq.: CMST 3061 or 4160. History of public address in England from the 18th century to the present; speeches of outstanding British statesmen from Pitt to Churchill.

4167 Speech and Rhetorical Critical Theory (3) Prereq.: CMST 1061 or 2063 or 4161. Evolution of rhetoric in contemporary theoretical and critical perspectives; the philosophical and critical theories of rhetoric.

4168 Rhetoric and the Arts (3) Prereq.: CMST 2040, 3041, 3106, 3107, or 3167. The arts as a means of transforming experiences and influencing social change.

4196 Visual Rhetoric (3) Prereq.: CMST 2060, 2063, or 2862. Methodological approaches useful in understanding how images communicate messages and make arguments.

4200 Practicum in Communication Studies (1-3) Prereq.: consent of instructor. May be taken for a max. of 3 sem. hrs. credit; however, no more than a total of 3 hrs. of CMST 2200 and CMST 4200 may be taken for undergraduate credit.

4312 Topics in Critical Media Theory and Practice (3) Prereq.: CMST 2012, 3012, 3107, or consent of instructor. May be taken for a max. of 3 sem. hrs. credit when topics vary. Topics such as "Basic Concepts of Cinima, "Aesthetics of Film and Video," and "Cyberculture Theory."

4971 Special Topics in Communication (3) Prereq.: consent of instructor. See MC 4971.

7900 Introduction to Graduate Study in Communication Studies (1) Prereq.: Required of all master's students and of doctoral students on advice of their major professors.

7901 Seminar in Pedagogy for the Communication Classroom (1) Information and support for first year college teachers; teaching skills; core teaching values and instructional strategies.

7903 Methods in Writing in Communication Studies (3) Required of all graduate students in Communication Studies. Professional development seminar for graduate students in Communication Studies and will emphasize understanding research and writing skills for careers in the discipline.

7910 Seminar in Interpersonal Communication Theory (3) Prereq.: CMST 4012 or equivalent. May be taken for a max. of 12 hrs. credit when topic varies. Current theoretical approaches to interpersonal communication, including developmental approaches, cognitive and relational theories.

7913 Seminar: Communication Theory (3) May be taken for a max. of 6 hrs. of credit when topics vary. Foundational and contemporary theories in communication.

7915 Seminar: Research in Communication Theory (3) Prereq.: CMST 4111 or equivalent. May be taken for a max. of 9 hrs. credit when topics vary. Research in Communication Theory focusing on topics of current interest in various scientific disciplines.

7920 Research Techniques in Comparative Biomedical Sciences (1-4) F,S,Su. May be taken for a max. of 8 hrs. of credit when topics vary. Specialized research techniques related to selected scientific disciplines in the department.

7999 Independent Research in Communication Studies (1-3) Prereq.: consent of instructor and approval of department chair. May be taken for a max. of 6 sem. hrs. credit. For advanced graduate students to pursue research on special topics.

8000 Thesis Research (1-12 per sem.) $7"U" grading.

9000 Dissertation Research (1-12 per sem.) $7"U" grading.

COMPARATIVE BIOMEDICAL SCIENCES

CBS

7061 Seminar: Comparative Biomedical Sciences (1) F,S. May be taken for a max. of 8 hrs. credit when topics vary. May be repeated for credit when topic changes.

7062 Research Techniques in Comparative Biomedical Sciences (1-4) F,S,Su. May be taken for a max. of 8 hrs. of credit when topics vary. Specialized research techniques related to selected scientific disciplines in the department.

7080 Seminar in Pathophysiology (3) F,S. May be taken for a max. of 6 sem. hrs. of credit when topics vary. Comparative and systemic medical and biological sciences.

7104 Biomedical Cell and Molecular Biology (3) F,S,P. Required of all students in a graduate program in the biomedical sciences. Methods of genetic manipulation; methods of detection of disease.

7105 Urology (3) F,S,P. Required of all students in a graduate program in the biomedical sciences. Methods of detection of disease.

7106 Biomedical Electron Microscopy (4) F,S. Required of all students in a graduate program in the biomedical sciences. Methods of detection of disease.

7109 Advanced Macroscopic Anatomy (1-3) Prereq.: consent of instructor. May be repeated for credit when topics vary. Specialized dissection of more than one of the following: dog, horse, rabbit, goat, exotica, or avian species.

7112 Advanced Microscopic Anatomy (1-3) Prereq.: consent of instructor. May be repeated for credit when topics vary. Comparative anatomy of selected organs or organ systems of domestic, laboratory, or exotic species.

7200 Clinical Toxicology (3) S Prereq.: consent of instructor. Pathophysiology of various clinically important toxicants; prevention, diagnosis, and treatment of common intoxications in domestic animals.

7614 Central Nervous System (3) V Prereq.: CBS 7631 or equivalent. Neurotransmitter mechanisms, chemistry, and anatomical distribution; neuropsycharmacology, synaptic physiology and anatomy of selected brain regions; central nervous system diseases.

COMPARATIVE LITERATURE

CPLT

General education courses are marked with stars (∗)

2201 Introduction to World Literary Traditions (3) Also offered as ENGL 2201. Study of the world's most important literary classics. Examinations of Western literary traditions, from beginnings to 1650; emphasis on reading and writing about literature.

2202 Introduction to Modern World Literature (3) Also offered as ENGL 2202. Overview of the literature of the world from 1650 to the present day; introduction of the concept, and theory of world literature.

7010 Research Methods and Bibliography (3) Instruction in methods of research; specific projects in bibliography and research techniques are related to the various types of research projects in the world literary traditions.

7100 History and Theory of Criticism (3) F Prereq.: History of Western literature; survey of major works in literary theory from the classical through the modern period designed to ground subsequent work in criticism.

7120 Topics in Theory of Criticism (3) May be taken for a max. of 9 hrs. of credit when topics vary. Study of a particular, or local school of criticism; it applies to specifically comparative literary scholarship.

7130 Topics in Comparative Literature (3) May be taken a max. of 9 hrs. of credit when topics vary. Basic techniques of studying a literary topic through the comparative method; examples taken from different national literary traditions.

7140 Topics in the Interdisciplinary Study of Literature (3) May be taken for a max. of 9 hrs. of credit when topics vary. Relationship between literature and other domains, such as art, religion, and film.

8000 Thesis Research (1-12 per sem.) $7"U" grading.

9000 Independent Study (1-13) May be taken for a max. of 3 hrs. in the student's major and 9 hrs. in the doctoral program.

9090 Dissertation Research (1-12 per sem.) $7"U" grading.

COMPUTER SCIENCE

CSC

General education courses are marked with stars (∗).

1100 Computers in Society (3) Prereq.: credit in MATH 1021 or registration in MATH 1023. 2 hrs. lecture, 2 hrs. lab. Credit will not be given for this course and IDSIS 1100 or EKST 2200. Introduction to computers, their applications, and impact on people and social institutions; the Internet, E-mail, news groups, ftp, telnet, World Wide Web, multimedia, word processing, spreadsheets, databases.

1200 Ethics in Computing (1) For majors only. Introduction and exploration of ethical decision-making as it relates to the computing professional, licensing, intellectual property, conflicts of interest, freedom of information and personal privacy.

1240 Statistics and Graphics with MATLAB (3) Prereq.: MATH 1021 or placement in MATH 2021, 2023, 1551 or registration in OCS 1551. 3 hrs. lecture, 1.5 hrs. lab. Credit will not be given for both this course and CSC 1248 or 2262 or 2533 or OCS 2011. Not for degree credit for computer science majors.

7615 Pulmonary Pharmacology (3) V Prereq.: CBS 7630. Mechanisms of action and applications of various drugs affecting the pulmonary system.

7617 Autonomic Nervous System (3) Prereq.: CBS 7631 or equivalent. Structure, physiology, pharmacology, and physiology of the autonomic nervous system.

7627 Mechanisms of Toxicity in Aquatic Animals (4) F-V Prereq.: organic chemistry, biochemistry, and physiology recommended. Examination of mechanisms of contaminant toxicity in context with the unique physiological, biochemical, and structural features of aquatic animals and their environment.

7628 Biomedical Physiology I (3) F,S Prereq.: consent of instructor. Physiological mechanisms underlying the cardiovascular and gastrointestinal systems of domestic species.

7629 Biomedical Physiology II (3) F,S Prereq.: consent of instructor. Physiological mechanisms underlying the respiratory and renal systems of domestic species. Comprehensive emphasis on systems control.

7630 Biomedical Pharmacology (4) F,S Prereq.: consent of instructor. 3.5 hrs. lecture, 0.5 hrs. lab. Comparative study of the pharmacodynamics, disposition, kinetics, and therapeutic utility of drugs for domestic animals.

7631 Biomedical Neuroscience (3) F,S Prereq.: consent of instructor. 2.5 hrs. lecture, 0.5 hrs. lab. Physiological and biochemical mechanisms underlying the nervous system.