On the cover: Lee Ann Thommes is a graduate student majoring in cello performance in the School of Music. Photo by Tom Foley.
COLLEGE OF LIBERAL ARTS
BULLETIN SUPPLEMENT
UNIVERSITY OF MINNESOTA
FALL 1993

This is a supplement to the 1992-94 CLA Bulletin.

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Changes in course prerequisites and credits are described in the Class Schedule. Students with questions about the material in the supplement should call or visit the appropriate department office.

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The supplement is available in alternative formats upon request. Please call CLA Academic Programs, 624-5701

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.
NEW COURSES

These new courses have been approved since the publication of the 1992-94 CLA Bulletin and will be taught at a future time. Not all courses will be available beginning fall quarter. Check the Class Schedule or the department office for the quarter, time, and place new courses will be offered.

ARCHITECTURE (Arch)

1301. INTRODUCTION TO ARCHITECTURAL DRAWING. (4 cr)
A beginning drawing course that emphasizes visualization and drawing of form and space in the physical environment. Exploration of basic elements of form using design drawing systems and conventions. Development of skills in visual literacy and expression through drawing.

3311. DRAWING FOR DESIGN. (4 cr; prereq Arch, BED or LA major, Arch/LA 1301, or #)
Exploration of drawing processes as modes of perception, cognition, reflection. Study of representational aspects of drawing systems and conventions. Development of the understanding of space, light, and order.

3411. HISTORY OF ARCHITECTURE TO 1750. (4 cr; §ArtH 3411)
Architecture and city planning from antiquity to 1750: major monuments from Western and non-Western cultures.

3412. HISTORY OF ARCHITECTURE SINCE 1750. (4 cr; §ArtH 3412)
A history of major monuments, concepts, and theories of urbanism and architecture since 1750.

AREA STUDIES (Area)

3144. SCOPE AND METHODS OF AREA STUDIES. (4 cr; prereq soph; Area Studies major or pre-major, others #)
Introduction to scholarly traditions, research techniques, and theoretical frameworks characterizing interdisciplinary scholarship as it relates to regions of the world defined by geographic, political, cultural, linguistic, and ethnic areas.

3910. TOPICS IN EAST ASIAN STUDIES. (2-4 cr; §EAS 3300; §EAS 3940; prereq varies)

3920. TOPICS IN EUROPEAN STUDIES. (2-4 cr; prereq varies)

3930. TOPICS IN LATIN AMERICAN STUDIES. (2-4 cr; prereq varies)

3940. TOPICS IN MIDDLE EASTERN STUDIES. (2-4 cr; prereq varies)
3950. TOPICS IN RUSSIAN AREA STUDIES. (2-4 cr; prereq varies)

3960. TOPICS IN SOUTH ASIAN STUDIES. (2-4 cr; prereq varies)

3970. DIRECTED STUDIES. (1-15 cr per qtr; prereq #, A.)
Guided individual reading or study.

3990. DIRECTED RESEARCH. (1-15 cr per qtr; prereq #, A.)
Qualified students work on a tutorial basis.

5504. SENIOR PROJECT. (4 cr; prereq sr or #)
Research methods, writing skills, and bibliography related to field of study.

5504H. SENIOR PROJECT. (4 cr; prereq sr or #)
Research methods, writing skills, and bibliography related to field of study.

5910. TOPICS IN EAST ASIAN STUDIES. (2-4 cr; prereq varies)

5920. TOPICS IN EUROPEAN STUDIES. (2-4 cr; prereq varies)

5930. TOPICS IN LATIN AMERICAN STUDIES. (2-4 cr; prereq varies)

5940. TOPICS IN MIDDLE EASTERN STUDIES. (2-4 cr; prereq varies)

5950. TOPICS IN RUSSIAN AREA STUDIES. (2-4 cr; prereq varies)

5960. TOPICS IN SOUTH ASIAN STUDIES. (2-4 cr; prereq varies)

5970. DIRECTED STUDIES. (1-15 cr per qtr; prereq #, A.)
Qualified students work on a tutorial basis.

5990. DIRECTED RESEARCH. (1-15 cr per qtr; prereq #, A.)
Qualified students work on a tutorial basis.

ART (Art)

3160. DRAWING AND ELECTRONIC MEDIA. (4 cr, max 12 cr; prereq 1602 or equiv, 4 cr of 3110 or #)
Expands traditional drawing methods and materials with the use of electronic technology. Access to computers, a scanner, and a color copier to aid in image making.

5160. DRAWING AND ELECTRONIC MEDIA. (4 cr, max 12 cr; prereq 3160 or #)
For description see 3160.
ART HISTORY (ArtH)
3411. HISTORY OF ARCHITECTURE TO 1750. (4 cr; §Arch 3411)
For description, see Arch 3411.

3412. HISTORY OF ARCHITECTURE SINCE 1750. (4 cr; §Arch 3412)
For description, see Arch 3412.

ASTRONOMY (Ast)
1031. EXPLORING THE UNIVERSE. (4 cr)
The human place in the universe. Earth as a planet. other planets. the sun.
stars. and galaxies. Fragility of life on the Earth. Scale, origin. and history of
the universe and our relationship to it.

BIOCHEMISTRY (BioC)
1401. ELEMENTARY BIOCHEMISTRY. (4 cr; §Chem 1002; prereq
Chem 1001 or one qtr of college chem)
Elementary survey of biochemistry. beginning with brief introduction to
organic chemistry. For students who need a general. non-intensive knowledge
of biochemistry.

5331. STRUCTURE. CATALYSIS. AND METABOLISM IN BIOLOGICAL
SYSTEMS. (4 cr; prereq 2 qtrs organic chem and Biol 1202 or #)
Structure and function of biological molecules. Emphasizes protein structure,
catalysis. and intermediary metabolism. Enzyme kinetics. thermodynamics.
and the role of cofactors in catalysis.

5332. ENERGY AND SIGNAL TRANSDUCTION IN BIOLOGICAL
SYSTEMS. (4 cr; prereq 5331 or #)
Biological membrane structure and membrane-associated proteins
emphasized. Transport. oxidation/reduction photosynthesis and electron
transfer mechanism in detail. Membrane receptors. signal transduction and
specific regulatory systems also covered.

5333. MOLECULAR MECHANISM OF GENE ACTION. (4 cr; prereq 5332 or
#)
Mechanisms of gene action. Structure and function of nucleic acids and the
regulatory process involved in gene expression emphasized.

BIOLOGY (Biol)
1201. EVOLUTIONARY AND ECOLOGICAL PERSPECTIVES. (5 cr.)
Origins. foundations of modern evolutionary thought. application of theory.
Can be taken as a single course or as the first in the Biol 1201. 1202. 1203
sequence.
1202. MOLECULAR AND CELLULAR PERSPECTIVES. (5 cr. prereq 1201 and 1 qtr college chemistry)
Chemistry of living things, cell structure and transport, energy processing in cells, introduction to primary metabolism, molecular genetics, cell physiology, and regulation of development. To be taken as the second course in the Biol 1201, 1202, 1203 sequence.

1806. ZOOLOGY. (5 cr; prereq 1009; §1106)
Survey of animal phyla; structure, function, behavior, adaptation, and evolutionary relationships. Includes lab.

3003. INTRODUCTION TO COMPUTING IN BIOLOGY. (2 cr; prereq Biol 1008 or 1009 or equiv; declared bioscience major)
Hands-on use of microcomputers to introduce students in biology to how computers can help them manipulate data, prepare graphs and graphics, perform literature searches, prepare posters and reports, and communicate through the computer network.

5825. RECOMBINANT DNA LABORATORY. (5; §5125; §MicB 5125; application necessary. Δ)
Introduction to basic recombinant DNA techniques. Methods for growing, isolating, and purifying recombinant DNAs and cloning vectors.

CHEMISTRY (Chem)
5331. ADVANCED ORGANIC CHEMISTRY I. (4 cr; §8331, prereq 3309 and #)
Advanced organic chemistry. Depending on year and instructor, will emphasize heterocyclic chemistry, natural products chemistry, organic electrochemistry, synthetic applications or organometallic chemistry, solid-state chemistry, polymer chemistry and/or stereochemistry.

5332. ADVANCED ORGANIC CHEMISTRY II. (4 cr; §8332; prereq 3303 and #)
For description, see 5331.

CHICANO STUDIES (Chic)
5901. CHICANO STUDIES: THEORY AND METHODOLOGY. (4 cr; prereq grad. sr or #)
Theory and methodology of chicano studies scholarship in social science and humanities.

CHILD PSYCHOLOGY (CPsy)
5353. DEVELOPMENT DURING SCHOOL YEARS. (4 cr; prereq 4 cr psychology)
Principles of psychological development, emphasizing ages 5-18. Theory and
research from developmental psychology relevant to individual growth and achievement; issues in applying a developmental perspective to topics in child and adolescent development (e.g., fostering learning, risk for school failure, behavior and emotional problems, diversity).

**CHINESE (Chn)**

1201. HERITAGE OF CHINA: EARLY PERIOD. (4 cr, § Hum 1201)
Chinese culture from beginnings through 10th century; literature, philosophy, history, visual arts, and music. Confucianism, Taoism, and Buddhism.
Primary texts read in translation.

3266. CHINESE AND AMERICAN CROSS-CULTURAL REPRESENTATION. (4 cr)
Chinese representations of the U.S. and American representations of China in essays, travel memoirs, fiction, and poetry.

**COMMUNICATION DISORDERS (CDis)**

5103. COMMUNICATION DISORDERS AND CULTURAL DIVERSITY. (4 cr)
The influence of culture on communication disorders and the role of the speech-language clinician in serving diverse populations.

**COMPUTER SCIENCE (CSci)**

1001. INTRODUCTION TO COMPUTERS FOR NON-COMPUTER SCIENCE MAJORS. (4 cr)
Historical and societal impact of computers; legal and ethical issues in computer usage; basic computer organization; concept of an algorithm; flowcharting. Hands-on experience with packages ranging from editing and word processing to symbolic mathematics.

**CULTURAL STUDIES AND COMPARATIVE LITERATURE (CSCL)**

3910. TOPICS IN CULTURAL STUDIES AND COMPARATIVE LITERATURE. (4 cr; prereq jr. sr. #)
Topics specified in Class Schedule.

3944. HONORS THESIS. (4 cr; prereq sr. candidate for magna or summa honors in CSCL, ∆)

3970. DIRECTED STUDIES. (Cr ar)
Guided individual reading or study.

3970H. DIRECTED STUDIES: HONORS. (Cr ar)
Guided individual readings or study.
5910. TOPICS IN CULTURAL STUDIES AND COMPARATIVE LITERATURE. (4 cr; prereq jr, sr, grad, #)
Topics specified in Class Schedule.

5910H. TOPICS IN CULTURAL STUDIES AND COMPARATIVE LITERATURE. (4 cr; prereq jr, sr, grad, #)
Topics specified in Class Schedule.

5970. DIRECTED STUDIES. (Cr arranged; prereq jr, sr, grad, #)
Guided individual reading or study.

5970H. DIRECTED STUDIES: HONORS. (Cr arranged; prereq jr, sr, grad, #)
Guided individual reading or study.

5990. SENIOR WORKSHOP. (4 cr; prereq sr or jr major with ∆)
Student-defined, faculty-assisted research project devoted to the comparative, socio-historical analysis of discursive practices.

ECOLOGY, EVOLUTION, AND BEHAVIOR (EEB)
5064. THE PROCESS OF EVOLUTION. (4 cr; prereq Biol 5041 or 5841 or #)
Introduction to the mechanistic bases of evolution, including the causes and consequences of natural selection, the stochastic consequences of Mendelian segregation, and their combined influences on the structure of natural and captive populations. Lab exercises based on the “Populus” computer simulation software.

5324. EVOLUTION OF PRIMATE SOCIAL BEHAVIOR. (3 cr; prereq 3111 or #)
Ecological factors that influence variation in the demography, social structure, and social behavior of non-human primates. Application of current evolutionary theory (i.e., kin selection, reciprocity) to the understanding of social behavior.

ENGLISH (Engl)
3111, 3112, 3113. SURVEY OF ENGLISH LITERATURE. (4 cr per qtr)
Historical survey of major figures, movements, and trends in English literature. 3111: Chaucer to Marvell, including Spenser, Shakespeare, and Donne. 3112: Milton to Johnson, including Dryden, Swift, and Pope. 3113: Blake to Yeats, including Wordsworth, Coleridge, Keats, Tennyson, and Browning.
ENGLISH AND CENTER FOR INTERDISCIPLINARY
STUDIES OF WRITING (EngW)

5501. MINNESOTA WRITING PROJECT INSTITUTE. (4 cr; prereq
nomination and competitive selection by writing project board: summer
only)
Workshop for selectively chosen teachers of writing (K-college). Participants
reflect on their own writing processes as they produce a series of essays and
examine current pedagogical theory and practice.

5502. MINNESOTA WRITING PROJECT OPEN INSTITUTE. (3 cr; prereq
5501, open to teachers eligible for Extension graduate credit; summer
only)
Workshop for teachers of writing (K-college). Participants reflect on their
own writing processes as they produce a series of essays and examine current
pedagogical theory and practice.

5570. MINNESOTA WRITING PROJECT: DIRECTED STUDIES. (1-4 cr)
Workshops on various topics in which teachers of writing investigate current
theories of writing and writing pedagogy.

ENGLISH AS A SECOND LANGUAGE (ESL)

0238. PRONUNCIATION. (0 Cr. Open only to non-native speakers. See MN
English Center for override.)
Individual attention given to specific areas of spoken language, including
pronunciation, enunciation, intonation, and stress.

0321. ENGLISH AS A SECOND LANGUAGE: GRAMMAR. (0 Cr. Open only
to non-native speakers. See MN English Center for override.)
Intermediate level. Reviews and adds to student’s repertoire of structures.
emphasis on meaning, use, and form. Increased emphasis on verb phrase and
control of grammar in writing. Some attention to complex sentence patterns.

FOREIGN STUDY (FoSt)

0060. STUDY ABROAD. (0 cr; prereq A)
Same as 0010; for a program of more than half-time but less than three-
quarter-time study abroad.

0120. STUDY ABROAD. (0 cr; prereq A)
Same as 0100; for a program of full-time study abroad.

1060/3060. CIEE SUMMER MOSCOW BUSINESS AND SOCIETY
PROGRAM. (1-12 cr; prereq A)
Summer program in Moscow, Russia, under auspices of Council on International Educational Exchange. Russian business, society, and language taught in English by Russian faculty under supervision of CIEE resident director. Visits to Russian companies.

1070/3070. CIEE LANGUAGE AND AREA STUDIES PROGRAM IN INDONESIA. (1-27 cr; prereq Δ)
Fall or spring semester at Institut Keguruan Dan Ilmu Pendidkan Malang, Malang, Indonesia, under auspices of Council on International Educational Exchange. Intensive modern Indonesian language plus two area studies courses taught in English by Indonesian or the CIEE resident director.

1080/3080. CIEE LANGUAGE AND AREA STUDIES IN THAILAND. (1-27 cr; prereq Δ)
Fall or spring semester at Khon Kaen University, Khon Kaen, Thailand, under auspices of Council on International Educational Exchange. Intensive Thai language plus one or two area studies courses taught in English by Thai faculty or the CIEE resident director.

1090/3090. CIEE LANGUAGE AND AREA STUDIES PROGRAM IN VIETNAM. (1-27 cr; prereq Δ)
Fall or spring semester at Hanoi University, Hanoi, Vietnam, under auspices of Council on International Educational Exchange. Intensive Vietnamese plus two area studies courses taught in English by Indonesian faculty or the CIEE resident director.

1270/3270. CIC AUSTRALIAN INTERNSHIP PROGRAM. (1-24 cr; prereq Δ)
Australian internship-seminar combinations for variety of majors. Two options: fall or spring semester combining internship/seminar with related courses in an Australian university, or 8- to 12-week fulltime internship/seminar beginning June, August, or February. Internship settings include Parliament, state legislatures, government agencies, businesses, nonprofits.

1390, 3390. IES PROGRAM IN MOSCOW, RUSSIA. (1-54 cr; prereq Δ)
Semester or year at Russian Humanities University, Moscow, through Institute of European Studies. Russian language study; area studies courses taught in Russian or English, depending on student’s language level; and, for more advanced students, one regular RHU course.

1760, 3760. CIEE PROGRAM AT FLASCO, BUENOS AIRES, ARGENTINA.
(1-54 cr; prereq Δ)
Semester or year in Buenos Aires, Argentina, through Council on International Educational Exchange. Combination of special Latin American studies courses at FLASCO (Facultad Latinoamericana de Ciencias Sociales) and regular courses at Universidad de Buenos Aires. All instruction in Spanish by Argentinian faculty.
1770, 3770. CIEE PROGRAM IN SANTIAGO, CHILE. (1-54 cr; prereq Δ)
Semester or year in regular courses at Universidad de Chile and/or Pontificia
Universidad Catolica de Chile, Santiago. All instruction in Spanish by
Chilean faculty. Intensive instruction study during 3- or 4-week pre-session;
opportunity to continue studying Spanish during semester.

1780, 3780. CIEE PROGRAM IN CAMPINAS, BRAZIL. (1-54 cr; prereq Δ)
Semester or year at Universidade Estadual de Campinas, Campinas, Estado
Sao Paulo, Brazil, through Council on International Educational Exchange.
Students take Portuguese language, Contemporary Brazil, regular university
courses. Six-week pre-session of intensive Portuguese. Instruction in
Portuguese by Brazilian faculty.

3140. HECUA COMMUNITY INTERNSHIPS IN LATIN AMERICA. (1-24 cr;
prereq Δ)
Fall or spring semester in Bogota, Colombia, under auspices of Higher
Education Consortium for Urban Affairs. Grassroots community internship
plus seminar, Community Participation and Social Change, and either a
directed study project or advanced Spanish.

3650. CIEE PARIS INTERNSHIP AND STUDY PROGRAM. (1-24 cr)
Fall or spring semester in Paris, France, under auspices of Council on
International Educational Exchange. Classroom language and French area
studies courses plus 24- to 28-hour-per-week internship with a French
corporation or nonprofit. Students from all disciplines eligible. French
fluency required.

FRENCH (Fren)
5703. STRUCTURE OF FRENCH: SYNTAX II. (4 cr; prereq 5702 or #)
Linguistic study of selected aspects of modern French syntax, such as
pronouns, relative clauses, interrogatives, reflexive verbs. Some attention to
syntactic features of spoken French.

5920. TOPICS IN EARLY FRENCH PROSE (800-1600). (3-5 cr per qtr; prereq
Fren 3219 or above)

5930. TOPICS IN EARLY FRENCH POETRY (800-1600). (3-5 cr per qtr;
prereq Fren 3219 or above)

5940. TOPICS IN EARLY MODERN FRENCH PROSE (1600-1900). (3-5 cr
per qtr; prereq Fren 3219 or above)

5950. TOPICS IN EARLY MODERN FRENCH POETRY (1600-1900). (3-5 cr
per qtr; prereq Fren 3219 or above)

5960. TOPICS IN MODERN FRENCH PROSE (1850-PRESENT). (3-5 cr per
qtr; prereq Fren 3219 or above)
5970. TOPICS IN MODERN FRENCH POETRY (1850-PRESENT). (3-5 cr per qtr; prereq Fren 3219 or above)

5980. TOPICS IN FRENCH THEATER. (3-5 cr per qtr; prereq Fren 3219 or above)

GEOGRAPHY (Geog)

1402. GEOGRAPHY AND ENVIRONMENTAL SYSTEMS. (5 cr; §1401)
Geographic patterns, dynamics, and interactions of atmospheric, hydrospheric, geomorphic, pedologic, and biologic systems in the context of human population, development, and resource use patterns.

3102. GEOGRAPHIC ISSUES IN THE UNITED STATES AND CANADA. (4 cr; §3101)
Interplay of aspirations and efforts of groups with characteristics of environments to produce regional differences in the U.S. Ways in which regional differences produce unique opportunities and pose unique problems in various parts of the U.S.

5385. POLITICAL ECONOMY OF DEVELOPMENT. (4 cr; prereq grad. sr. or #)
Examine the nature and scope of the world system (capitalism) and its impact on regional development processes. Focus on roles of the two principal actors of development, the state and international financial institutions.

5523. ELEMENTS OF DIGITAL CARTOGRAPHY. (4 cr; prereq 3511 and 3531, or 5522 and one programming language or #)

5563. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS. (4 cr; prereq Geog 5562/LA 5562 or #)

GEOLOGY AND GEOPHYSICS (Geo)

3201. GEODYNAMICS I: THE SOLID EARTH. (4 cr; prereq Phys 1251, 1252)
Introduction to the dynamics of the solid earth, particularly the tectonic system.
3202. GEODYNAMICS II: THE FLUID EARTH. (4 cr; prereq 3201)
Introduction to the dynamics of the fluid earth, mainly surface processes and convection.

3301. GEOCHEMICAL PRINCIPLES. (4 cr; prereq Chem 1051. 1052)
Introduction to the chemistry of the Earth.

5010. FIELD WORKSHOP. (2 cr; prereq Geo, Geophy, GeoEng major or #)
Geologic or geophysical field study.

5020. LABORATORY WORKSHOP. (2 cr; prereq Geo, Geophys, GeoEng major or #)
Geologic or geophysical laboratory study.

5030. MODELLING WORKSHOP. (2 cr; prereq Geo, Geophys, GeoEng major or #)
Modeling of geologic or geophysical systems.

5101. GEOCHRONOLOGY AND STRATIGRAPHY. (4 cr; prereq 3301)
Methods for measuring geologic time and dating rocks, both relatively and absolutely.

5543. PALEOMAGNETISM. (4 cr; prereq 1111, Phys 1251, Math 1251, or #)
Physical and chemical basis of paleomagnetism. Origin of natural remanent magnetization and its stability, mineralogy of magnetic minerals, paleomagnetic measurements techniques, statistics of paleomagnetic data, magnetic polarity stratigraphy, apparent polar wander, and environmental magnetism.

5631. EARTH SYSTEM SCIENCE. (4 cr; prereq 3201, 3202, 3301)
Integrated study of global aspects of the oceans, atmospheric, and tectonic systems.

GERMAN (Ger)
3503. CONTEMPORARY AUSTRIA. (4 cr; prereq 1106 or graduation proficiency test)
Culture, politics, society, and economy of Austria since 1945.

HISTORY (Hist)
3626. FRANCE FROM LOUIS XIV THROUGH THE FRENCH REVOLUTION AND THE NAPOLEONIC ERA. (4 cr)
Old Regime France as it disintegrates into revolution and transforms itself through empire and war. Birth of modern France.

3891, 3892. AMERICAN MILITARY HISTORY. (4 cr per qtr; §Mil 3011, 3012)
3891: Impact of geography, politics, society, technology, and leadership in the development of the military from colonial period to Spanish American War.
3892: Impact of geopolitics, technology, society, and leadership in the rise of land, sea, and air forces to global dominance in the 20th century.

5249. THE HISTORY OF POLAND IN THE 19TH AND 20TH CENTURIES. (4 cr)
Survey of Polish history in the 19th and 20th centuries.

HUMANITIES (Hum)

3001. HUMANITIES IN THE MODERN WEST I. (4 cr: §Rhet 1301; §1001: prereq jr or sr or #)
Meets with 1001. Additional work for upper-level credit.

3002. HUMANITIES IN THE MODERN WEST II. (4 cr: §Rhet 1302. §1002: prereq jr or sr or #)
Meets with 1002. Additional work for upper-level credit.

3003. HUMANITIES IN THE MODERN WEST III. (4 cr: §Rhet 1303; §1003: prereq jr or sr or #)
Meets with 1003. Additional work for upper-level credit.

3004. HUMANITIES IN THE MODERN WEST IV. (4 cr: §Rhet 3381; §1004: prereq jr or sr or #)
Meets with 1004. Additional work for upper-level credit.

3005. HUMANITIES IN THE MODERN WEST V. (4 cr: §1005: prereq jr or sr or #)
Meets with 1005. Additional work for upper-level credit.

3027. LYRIC SONG IN MEDIEVAL AND RENAISSANCE CULTURE. (4 cr; for non-music majors: §Mus3027)

3029. MUSIC IN THE 20TH CENTURY. (4 cr; for non-music majors: §Mus 3029)
Aural perception of modern styles; cultural perspectives through primary source readings.

3111. EUROPEAN HERITAGE: GREECE. (4 cr: §Rhet 3321; §1111; prereq jr or sr or #)
Meets with 1111. Additional work for upper-level credit.

3113. EUROPEAN HERITAGE: ROME. (4 cr: §Rhet 3322; §1113; prereq jr or sr or #)
Meets with 1113. Additional work for upper-level credit.
3115. EUROPEAN HERITAGE: MIDDLE AGES. (4 cr; §Rhet 3322; §1115: prereq jr or sr or #)
Meets with 1115. Additional work for upper-level credit.

3117. EUROPEAN HERITAGE: RENAISSANCE, REFORMATION. (4 cr; §Rhet 3323; §1117: prereq jr or sr or #)
Meets with 1117. Additional work for upper-level credit.

3119. EUROPEAN HERITAGE: AGE OF THE BAROQUE. (4 cr; §1119: prereq jr or sr or #)
Meets with 1119. Additional work for upper-level credit.

3281. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE. (4 cr; §Hist 3281)
Aesthetic, historical, and political thought from Vico to Arnold.

3282. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE. (4 cr; §Hist 3282)
Marxism and alternative contemporary critics of industrial and national Europe.

3283. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE. (4 cr; §Hist 3283)
Development of modern historicism and its critics; history and social sciences in the late 19th and 20th centuries.

INTERDEPARTMENTAL STUDY (ID)
3205. COMMUNITY SERVICE AND SOCIAL CHANGE: INTERDISCIPLINARY PERSPECTIVES. (4 cr: prereq meet with
OSLO adviser in 220 Johnston Hall before first class meeting to obtain course override and discuss internship possibilities)
Historical, economic, philosophical, anthropological, and social services approaches to community service in cultural context. Participation in one of four community service group projects, classroom lectures, and discussions will enable students to assess community service and the role it plays (or fails to play) in community development and social change.

3334. GOETHE AND NEWTON: STUDY IN SCIENCE/BELIEF. (CEE only)

3925. LIFE/CAREER PLANNING. (2 cr/non-liberal arts credits; prereq CLA jr or sr, others #, non-journalism students should register for Jour 3925))
Assists CLA students in formulating post-graduation plans. Identifying appropriate careers, preparing an effective resume, conducting an active job-search, participating in practice interviews, and coping with transition issues.
JAPANESE (Jpn)

3061. MEDIA JAPANESE. (4 cr; prereq 3033 or #)

JOURNALISM. (Jour)

3925. LIFE/CAREER PLANNING. (2 cr/non-liberal arts credits; prereq CLA jr or sr; others #: journalism pre-majors and majors should register for ID 3925. Open to non-Journalism majors: §ID3925)
Assists CLA students in formulating post-graduation plans. Identifying appropriate careers, preparing an effective resume, conducting an active job-search, participating in practice interviews, and coping with transition issues.

LANGUAGE TEACHING TECHNOLOGY (LgTT)

5101. TECHNOLOGY IN THE LANGUAGE CLASSROOM. (2 cr)
Uses of technology in language teaching. Theoretical background, application, and demonstration.

LEARNING AND ACADEMIC SKILLS (LASK)

1301. CAREER PLANNING FOR STUDENTS WITH DISABILITIES. (2 cr/ non-liberal arts credits)
Discover your interests, values, needs, and learning style as they relate to occupational choices. Learn decision-making strategies to identify possible career options and how to set realistic goals.

1302. CAREER DEVELOPMENT FOR STUDENTS WITH DISABILITIES. JOBSEEKING/KEEPING SKILL. (2 cr/non-liberal arts credits; prereq 1301 or similar course with #)
Implementing your career decisions by developing skills necessary to conduct a productive job search. Learn to write resumes and cover letters, effectively fill out job application forms, interview techniques, and job search strategies.

1303. CAREER DEVELOPMENT FOR STUDENTS WITH DISABILITIES. INTERNSHIP EXPERIENCE. (2 cr/non-liberal arts credits; prereq 1302 or similar course with #)
Paid or volunteer internships. Work experience, weekly on-campus seminar, on-site and campus supervision. Work experience to enhance employability.

MATHEMATICS (Math)

5531-5532-5533. DYNAMICAL SYSTEMS AND CHAOS. (4 cr per qtr; prereq multivariable calculus and linear algebra, e.g., 1261-3251-3252-3261)
Introduction to dynamical systems theory with emphasis on iteration of
mappings of the line, the circle and the plane. Fixed points, periodic points, stability, bifurcations, invariant Cantor sets, rotation number, Smale horseshoe, fractal dimension. Julia sets, Mandelbrot set, nonlinear oscillations, computer experiments.

MIDDLE EASTERN LANGUAGES AND CULTURES (MELC)

3970. DIRECTED STUDIES. (1-15 cr: prereq #. Δ.)
Guided individual reading or study.

3990. DIRECTED RESEARCH. (1-15 cr: prereq #. Δ.)
Qualified students work on a tutorial basis.

5501. MODERN ARABIC POETRY. (4 cr: $MELC 3301, Arab 3301, 5501)

5502. THE ARABIC NOVEL IN TRANSLATION. (4 cr: $MELC 3302, Arab 3302, and Arab 5502)

5504. SENIOR PROJECT. (4 cr: sr in department or #. Δ.)
Research methods, writing skills, and bibliography related to field of study.

5504H. SENIOR PROJECT: HONORS. (4 cr: sr in department or #. Δ.)
Research methods, writing skills, and bibliography related to field of study.

MUSIC (Mus)

3700, 5700. AFRICAN MUSIC ENSEMBLE. (1 cr per qtr: prereq #)
Performance of African music repertoire.

5374. TEXT AND LANGUAGE: A SINGER'S TOOLS FOR INTERPRETATION. (2 cr: prereq #)
Specific meanings, properties, and inflections of words as used by singers for artistic interpretation; role of the musical setting in defining meaning. Performance required.
5411, 5412, 5413. INSTRUMENTAL ACCOMPANYING SKILLS AND REPERTOIRE. (2 cr per qtr; prereq accompanying major)
Performance class in accompanying skills particular to orchestral reductions and “non-sonata” instrumental accompanying. Repertoire to include, but not be limited to, classical and romantic string concerti, and “encore” pieces.

5421, 5422, 5423. VOCAL ACCOMPANYING SKILL AND REPERTOIRE. (2 cr per qtr; prereq Italian, German, French diction; accompanying or graduate vocal major)
Performance class in skills of vocal accompanying (Lieder, melodie, opera) with emphasis on coaching techniques and performance skills of both pianists and singers.

MUSIC EDUCATION (MuEd)

5667. COMPUTER-BASED MUSIC INSTRUCTION. (2 cr; prereq 5666 or #)
Design, development, and implementation of computer applications for the music classroom emphasizing the HyperCard environment with interactive audio, video, and MIDI.

5668. COMPUTERIZED MUSIC NOTATION. (3 cr)
Fundamentals of music notation and printing utilizing the Macintosh computer, MIDI keyboards, and the Finale software program. Preparation of instrumental and vocal scores, part extraction, and page layout.

PHILOSOPHY (Phil)

1006. PHILOSOPHY AND CULTURAL DIVERSITY. (5 cr: §1002)
Introduction to central problems and methods of philosophy through culturally diverse texts. Focus will be critical and comparative, reflecting a range of U.S. philosophical traditions.

5325. BIOMEDICAL ETHICS. (4 cr; #)
Survey of major topics and issues: patients’ rights and duties, informed consent, confidentiality, ethical issues in medical research, initiation and termination of medical treatment, euthanasia, abortion, maternal/fetal conflicts, and allocation of medical resources.

PSYCHOLOGY (Psy)

1011. CAREER DECISION MAKING. (2 cr/non-liberal arts credits; prereq freshman or sophomore; others #)
Identify interests, values, skills, and personality with regard to career options. Individual and group projects on possible vocations. Meetings with instructor augment class sessions.
3666. HUMAN SEXUALITY. (4 cr; prereq 1001)
Overview of theories, research, and contemporary issues in human sexual behavior from an interdisciplinary perspective. Topics include: sexual anatomy and physiology, hormones and sexual differentiation, cross-cultural perspectives on sexual development, social and health issues, and sexual dysfunction and therapy.

5038. INTRODUCTION TO NEURAL NETWORKS. (4 cr; prereq 3061 or 5061, Math 3212, CSci 3104, or #)
Introduction to parallel distributed processing models in neural and cognitive science. Topics include: linear models, Hebbian rules, self-organization, non-linear networks, information optimization, and representation of information. Applications to sensory processing, perception, learning, and memory.

RELGIOUS STUDIES (RelS)
3414. COMPARATIVE RELIGIONS OF SOUTH ASIA. (4 cr; §§SALC 3414, 5414)
Compare and contrast basic philosophical concepts, literatures, ideologies, and ritualistic practices of Hinduism, Buddhism, and Jainism with those of Islam and Sikhism.

3701/5701. SCIENTIFIC STUDY OF RELIGION. (4 cr; prereq jr or sr or #)
Theoretical and empirical issues in studying religious ideologies, institutions, and behaviors with techniques of social sciences.

5414. COMPARATIVE RELIGIONS OF SOUTH ASIA. (4 cr; SALC 3412 or RelS 3413 recommended; §§RelS 3414, SALC 3414, SALC 5414)
Compare and contrast basic philosophical concepts, literatures, ideologies, and ritualistic practices of Hinduism, Buddhism, and Jainism with those of Islam and Sikhism.

5521. PHILOSOPHY OF RELIGION. (4 cr; § Phil 5521; prereq 8 cr in Phil)
Grounds and sanctions of religion according to various philosophies.

SOCIOLOGY (Soc)
5109. DOMESTIC CRIMINAL VIOLENCE. (4 cr; prereq 3101-3102 or #)

SOUTH ASIAN LANGUAGES AND CULTURES (SALC)
3970. DIRECTED STUDIES. (1-15 cr; prereq #, A. )
Guided individual reading or study.
3990. DIRECTED RESEARCH. (1-15 cr; prereq #, Δ, ...)  
Qualified students work on a tutorial basis.

5504. SENIOR PROJECT. (4 cr; sr in department or #, Δ, ...)  
Research methods, writing skills, and bibliography related to field of study.

5504H. SENIOR PROJECT: HONORS. (4 cr; sr in department or #, Δ, ...)  
Research methods, writing skills, and bibliography related to field of study.

SPANISH AND PORTUGUESE (SpPt)  
Spanish (Span)  
3105. INTRODUCTION TO THE STUDY OF HISPANIC CULTURES. (4 cr;  
prereq Span 3002, 3004 or #)  
Hispanic cultures and societies--explore notion of cultural difference and  
awareness of cultural affiliation. History, theory of cultural differences,  
cultural mosaic of Hispanic world. Refine writing/expository skills in Spanish.

3107. INTRODUCTION TO THE STUDY OF HISPANIC LINGUISTICS. (4  
cr; prereq Span 3002, 3004 or #)  
Introduction to the field of Hispanic linguistics.

3510. TOPICS IN HISPANIC CULTURES. (4 cr; prereq Span 3104 or 3105 or  
3107)  
Major topics in Hispanic cultures--Iberian peninsula, Latin America (including Brazil), the Caribbean, and Spanish-speaking USA--emphasis on cultural discourses other than literature. Possible topics include religions, folklore, popular culture, film, popular and classical music, oral tradition.

3972. MAJOR SEMINAR. (4 cr; prereq 30 cr Span 3xxx or Span-Port 3xxx)  
Survey of topics and methods of research in literature, language, and culture in Spanish and Portuguese.

STATISTICS (Stat)  
5091. STATISTICAL METHODS FOR QUALITY IMPROVEMENT. (4 cr;  
prereq 3012 or 5021 or 3091 or 5122 or 5132, and Math 1252)  
Application of statistical concepts of random variability and sampling,  
statistical process control, Shewhart and accumulative charting, analysis of  
plant data, applications of trend surface analysis, analysis of variance and  
design of experiments. Quality improvement by reduction of random  
variability.

THEATRE ARTS AND DANCE (Th)  
3712. INTERMEDIATE STAGE DIRECTION. (4 cr; prereq 3711, jr or sr)  
Script analysis, rehearsal technique, and actor coaching. Rehearsing and  
production of scenes.
TRANSLATION, INTRODUCTION TO (TrIn)

3001. INTRODUCTION TO TRANSLATION. (3 cr; prereq bilingual proficiency in English and another language spoken in Minnesota (Hmong, Vietnamese, Spanish, or Russian))
Theory and supervised practice of translation; examination of the process of reexpressing meaning in a second language. Translation of documents concerning public services and health and legal education directed to the general public.

3101. INTRODUCTION TO COMMUNITY INTERPRETING. (3 cr; prereq#.
TrIn 3001 recommended: high level of proficiency in spoken English and another language as demonstrated by examination)
Practical and theoretical introduction to interpreting in a variety of community settings, including consecutive interpreting, notetaking strategies, technical vocabulary, professional and ethical conduct, intercultural issues. Self-assessment through audio- and videotaping.

WOMEN’S STUDIES (WoSt)

3308H/5308H. WOMEN WRITERS OF AFRICA AND LATIN AMERICA. (4 cr; prereq 8 cr in WoSt and/or Latin American or African Studies or #)

3309. CONTEMPORARY WOMEN’S SHORT FICTION. (4 cr; prereq introductory work in literature)
Short fiction of contemporary women (written in English or in English translation). Authors such as Atwood, Cisneros, Erdrich, Gordimer, Lessing, Walker. Changing forms of the short story, primarily 20th century: popular “genre” fiction; role of independent presses in broadening literary canon.

5308H. WOMEN WRITERS OF AFRICA AND LATIN AMERICA. (4 cr; prereq 8 cr in WoSt or Latin American or African Studies or #)
For description, see 3309.
CHANGES AND ADDITIONS IN MAJORS AND MINORS

NEW
EUROPEAN AREA STUDIES MAJOR

Area Studies Program, 214 Social Science

Area Studies Programs, within the Institute of International Studies, is offering a new CLA major in European Area Studies beginning fall quarter, 1993. The B.A. degree program allows students to focus their attention on Europe from a multidisciplinary perspective.

Changes on the European continent have been dramatic. Old conceptual frameworks, such as Cold War, East and West, communist versus capitalist, are being reexamined. National borders are in flux. Ethnicity and cultural heritage have reemerged as potent forces in the region.

The European Area Studies program requires breadth courses as well as a concentration in some area or aspect of Europe, for example Central Europe or the European Community. The major is supported by language, methods of inquiry, and general breadth requirements, a minimum of 8 courses (32 credits) of concentration requirements, and the successful completion of a senior project. Study abroad is highly encouraged. The Area Studies adviser will assist students in designing their program. The Advising Office is 232A Social Sciences Building. 624-8543. An Honors option is also available in consultation with a faculty advisory committee and the CLA Honors program.

CHEMISTRY (Chem)—Minor Sequence

Required Preparatory Courses—Chem: 2 lectures and 2 labs in general chemistry (min 8 cr); Phy: 3 lectures and 3 labs of calculus-based physics (min 12 cr); Math: Calculus I and II, Linear & Non-Linear Multivariable Analysis I & II (min 16 cr)

Minor Requirements—3100/3101 (5 cr); 3301/3302/3305 or 3331/3332/3335 (10 cr); 5520/5521 or 5533/5534 or 5534/5535 (6-8 cr)

More information is available from the Undergraduate Advising Office, 135 Smith Hall.

HUMANITIES (Hum) (see CLA Bulletin, p. 173-177)

The Department of Humanities was closed in spring quarter, 1992. The major and minor in Humanities are no longer offered. Many courses previously offered through Humanities have become part of the curriculum of the Department of Cultural Studies and Comparative Literature. Other courses (including surveys of "Humanities in the Modern West" and "European Heritage") continue to be offered under the "Hum" designator.

A revised minor program, "Humanities in the West," was approved during 1992-1993. For information, inquire in 355 Ford Hall.
Minor Sequence

Required Preparatory Courses—Minor program: Humanities in the West. All courses must be completed with grades of "C" or higher, except that one course may be completed with a grade of "S."

Minor Requirements—One course from the Introduction to Western Civilization sequence (Hist 1021, 1022, 1023 or Hist 1021H, 1022H, 1023H: 5 cr). Three courses from the European Heritage and Modern World sequences (12 cr); two additional 3xxx-5xxx humanities courses (8 cr). The minor program must be approved by the Humanities curriculum coordinator. Not more than one Humanities course in the Minor course program may be taken at the 1xxx level. Not more than one course at the 3xxx-5xxx-level in the minor course program may be taken on a Directed Study, Directed Instruction, or Independent Study basis. Not more than one course at the 3xxx-5xxx level in the Minor course program may be taken on the S-N basis.

CHANGES

For complete information about changes in the following majors and minors, contact your adviser or the department office.

ARCHITECTURE (Arch)—B.A. Major Sequence

CULTURAL STUDIES AND COMPARATIVE LITERATURE (CSCL)—B.A. Major Sequence

COMPARATIVE LITERATURE  (see CLA Bulletin, p. 100-101)

The undergraduate courses previously offered through the Department of Comparative Literature have become part of the curriculum of the Department of Cultural Studies and Comparative Literature.

DANCE—Minor Sequence
See Department of Theatre Arts and Dance

GEOGRAPHY (Geog)—B.A. Major Sequence

GEOLOGY AND GEOPHYSICS (Geo)—B.A. Major Sequence

GERMAN (Ger) B.A.—Major Sequence
JOURNALISM AND MASS COMMUNICATION
(Jour)—B.A. Major Sequence

SCANDINAVIAN LANGUAGES AND LITERATURE—
B.A. Major Sequence

SOCIOLOGY (Soc)—B.S. Major Sequence

SPEECH-COMMUNICATION (Spch)—Major Sequence

STATISTICS (Stat)—Minor Sequence

“NON-CLA” COURSES ALLOWED

Certain “non-CLA” courses (courses taught in other colleges of the University) that have liberal arts content may now be applied toward general education requirements in CLA. Students may take these courses in addition to the 28 “non-liberal arts” credits currently allowed. Students must obtain departmental approval before planning to apply courses from outside the college toward their major requirements. Additional courses will be added to this list: check with your advising college office for an updated list. These courses do not apply toward the CLA residency requirement.

AgE 1101; 1102

Arch 1021-1022-1023; 1041-1042-1043; 3001; 3002; 5051-5052-5053-5054-5055-5056; 5101-5102-5103; 5137-5138; 5141-5142-5143; 5170; 5850; 5852-5853-5854-5855-5856; 5950; 5951; 5953; 5954; 5956; 5958; 5970

CBN 3001

CLS 5103; 5133; 5136

EPsy 1601; 1602; 1603

FScn 5120; 5122; 5123

GC 1078; 1111; 1112; 1131; 1132; 1133; 1136; 1137; 1161; 1162; 1163; 1166; 1167; 1171; 1172; 1173; 1211; 1212; 1221; 1225; 1230; 1231; 1232; 1233; 1234; 1235; 1236; 1237; 1241; 1243; 1251; 1252; 1274; 1275; 1276; 1277; 1281; 1282; 1283; 1284; 1285; 1287; 1291; 1292; 1293; 1294; 1295; 1296; 1311; 1312; 1313; 1331; 1333; 1351; 1355; 1357; 1361; 1362; 1363; 1365; 1366; 1367; 1371; 1374; 1375; 1376;
BULLETIN CHANGES

Name change: Department of Studio Arts name changed to Department of Art.

MINOR REQUIREMENTS—ECONOMIC THEORY  (See CLA Bulletin, p. 111)
Change Econ 3013 to Econ 3103.

REVISED RESIDENCY REQUIREMENT--BIS  (See CLA Bulletin, p. 7. 10. 11. 27)
At least 45 of the 85 credits in the BIS (Bachelor of Individualized Studies) program must be earned following completion of the BIS admission process.
GENERAL EDUCATION REQUIREMENTS

This is a complete listing of courses approved to meet the general education requirements and includes courses that may not be taught during the next two years and therefore may not be listed in the Bulletin. See the guidelines on page 308 of the CLA Bulletin. Advising offices have "overlap lists" that indicate which courses fulfill more than one general education requirement.

Any course which is cross-listed with an approved general education course may be applied toward the same requirement, even if it does not appear in the approved course list.

Some courses in this list may have new course numbers or designators: refer to the listings of course number and designator changes in this Supplement to determine those courses.

GROUP A—LANGUAGE, LOGIC, MATHEMATICS, AND THE STUDY OF ARGUMENT

Courses that can be used to fulfill the formal language requirement are identified with an asterisk.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Numbers</th>
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<tbody>
<tr>
<td>CSci</td>
<td>*3113</td>
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<tr>
<td>Engl</td>
<td>3851; 3852</td>
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<td>Fren</td>
<td>3701</td>
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<tr>
<td>Geog</td>
<td>1501; 3531</td>
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<tr>
<td>Ger</td>
<td>3704; 3705</td>
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<td>Jpn</td>
<td>3451</td>
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<tr>
<td>Ling</td>
<td>3001; 3001H</td>
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<tr>
<td>Math</td>
<td>*1001; *1031; *1038; 1051; 1058; *1111; *1131; *1142; *1151; *1171-1181-1191; *1201; *1251-*1252; *1261; *1551H-1552H; *1553H-3551H-*3552H; *1711H-1721H-1731H</td>
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<tr>
<td>Phil</td>
<td>*1001; *1001H; 1005; *3201; 3231</td>
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<tr>
<td>Pol</td>
<td>*3085; *3085H</td>
</tr>
<tr>
<td>Psy</td>
<td>*3801; *3801H</td>
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<tr>
<td>Soc</td>
<td>*3801; *3801H; *3802; *3802H</td>
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<tr>
<td>Span</td>
<td>3107; 3701; 3702</td>
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<tr>
<td>Spch</td>
<td>1313</td>
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<tr>
<td>Stat</td>
<td>*1001; *3011-3012; *3091</td>
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</tbody>
</table>

GROUP B—THE PHYSICAL AND BIOLOGICAL UNIVERSE

Courses in boldface are foundation courses. Laboratory courses are identified with an asterisk.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Numbers</th>
</tr>
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<tbody>
<tr>
<td>Anth</td>
<td>3001; 3002</td>
</tr>
<tr>
<td>Ast</td>
<td>1011; *1015; *1015H; **1019; **1021H; *1025H; *1031</td>
</tr>
<tr>
<td>BioC</td>
<td>1401</td>
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</tbody>
</table>
GROUP C—INDIVIDUAL AND SOCIETY

C—1. THE INDIVIDUAL AND INSTITUTIONAL BEHAVIOR

Afro 1011; 3013; 3025; 3061; 3072
AmIn 1771
AmSt 3112; 3113; 3114
Anth 1102; 1102H; 3201; 3224
Arch 3001; 3002
Chic 3712
CPsy 1301; 3309
CICv 3201
Clas 1201; 3201
CDis 3101
CSCL 3979
EAS 3481
Econ 1101; 1101H; 1102; 1102H; 1104; 1105; 3501; 3701; 3801
Geog 1301; 3101; 3102; 3331; 3371
ID 3170; 3180
Jour 1001
Ling 1005
Mus 1602
Pol 1001; 1001H; 1025; 1025H; 1026; 1054; 3051; 3051H; 3321
Psy 1001; 1001H; 1004-1005†; 3011; 3014; 3101; 3201; 3604; 3666
SALC 1506; 3506
Slav 3511
C—2. THE HISTORICAL PERSPECTIVE

Afro 1021; 3001; 3002; 3421; 3954
AmIn 3111; 3112
ANE 3501; 3502; 3505
Anth 1101; 1101H; 3003
ArtH 1002; 3252; 3577
CAS 3531; 3611
Chic 3105; 3106; 3107; 3441; 3442
Chn 1201; 1202
Clas 1001; 1002; 1003; 1004; 1005; 1006; 1023; 1024; 1025; 1043; 3023; 3024; 3025; 3175; 3252
CSCL 1302; 3254; 3458; 3472
EAS 1063; 1461; 1462; 1463
GC 1221
Geog 3373
Hist 1001; 1002; 1003; 1011; 1012; 1013; 1021; 1022; 1023; 1051; 1052; 1053; 1101; 1151; 1152; 1301; 1302; 1305; 3001; 3002; 3003; 3051; 3052; 3053; 3101; 3151; 3152; 3244; 3245; 3401; 3402; 3424; 3431; 3432; 3441; 3442; 3461; 3663; 3505; 3541; 3542; 3543; 3547; 3614; 3615; 3626; 3627; 3631; 3636; 3637; 3641; 3642; 3704; 3707; 3708; 3709; 3714; 3871; 3872; 3891; 3892
HMEd 3001; 3002; 3003
HSci 1711; 1712; 1713; 1811; 1812; 1813; 3711; 3712; 3713; 3811; 3812; 3813
Hum 1001; 1002; 1003; 1004; 1005; 1111; 1112; 1113; 1115; 1117; 1119; 3001; 3002; 3003; 3004; 3005; 3111; 3113; 3115; 3117; 3119; 3635
JwSt 3521
LAS 3131; 3401; 3402
MELC 3505; 3507; 3508; 3511; 3512; 3541; 3542; 3543
RelS 3501; 3502; 3505; 3508; 3541
SALC 3501; 3502; 3611; 3635
Scan 1504
Soc 3477; 3954
WoSt 3103

C—3. SOCIAL AND PHILOSOPHICAL ANALYSIS

Afro 3011
GROUP D—LITERARY AND ARTISTIC EXPRESSION

Afro 3301; 3514; 3591; 3592; 3601; 3654
AmIn 3116; 3242
AmSt 3111
ANE 1001; 1002; 1003; 3001; 3002; 3003; 3251
Arab 3213; 3301; 3302; 3303
Arch 3411; 3412
ArtH 1001; 1016; 1921; 3001; 3008; 3009; 3011; 3012; 3013; 3014; 3015; 3017; 3325; 3411; 3412; 3484; 3942
ArtS 1101; 1301; 1302; 1401; 1404; 1510; 1520; 1530; 1540; 1602; 1701; 1811; 1812; 3131; 3306; 3655
Chic 3213; 3507; 3508
Chn 3161; 3162; 3163; 3165; 3266
Cliv 3510; 3711
Clas 3001; 3002; 3003; 3008; 3065; 3081; 3082; 3083
CSCL 1301; 1921; 3132; 3172; 3174; 3175; 3931
Dnce 1101; 3401; 3402; 3666
EAS 3013; 3020
Engl 1005; 1013; 1016; 1017; 1018; 1019; 1069; 1241; 1591; 1595; 1621; 1671; 3008; 3009; 3115; 3116; 3117; 3118; 3119; 3121; 3218; 3241; 3242; 3251;
3252; 3355; 3356; 3357; 3411; 3412; 3413; 3591; 3592; 3621; 3651; 3671; 3711

EngW 1101
Fren 3101; 3103; 3207; 3229
Ger 3104; 3105
Hebr 3304; 3307
Hum 3256
Ital 3303; 3305
Jpn 3161; 3163; 3164; 3165
JwSt 3115; 3315
Lat 3440
MELC 3213; 3601; 3602
Mus 1001; 1004; 1021; 1051-1052-1053; 1531; 1804; 3021; 3410; 3420; 3430; 3707
Phl 3502
RelS 3115; 3201; 3202; 3203; 3213; 3251
Russ 3421; 3422
SALC 3456
Scan 3503; 3505; 3601; 3602; 3604; 3605; 3607; 3618
Span 3104; 3211; 3212; 3213; 3614
Th 1101; 1102; 1301; 1805; 3171; 3172; 3173
WoSt 3303; 3304; 3306; 3307; 3308; 3308H; 3309

WORLD STUDIES REQUIREMENT

Afro 1021; 3001; 3002; 3011; 3013; 3421; 3514; 3601; 3654; 5142; 5301; 5341; 5678; 5800; 5876
AmIn 1771; 3121; 3242; 5251; 5341; 5411; 5422
AmSt 5251
ANE 3101; 3117; 3251; 3501; 3502; 3505; 5501; 5502; 5505
Anth 1102; 3003; 3131; 3211; 3222; 3223; 3224; 3241; 3261; 3293; 3303; 3521; 5102; 5112; 5114; 5115; 5116; 5118; 5121; 5131; 5132; 5141; 5151; 5153; 5154; 5161
Arab 3011; 3213; 3301; 3302; 3303; 5001; 5501; 5502; 5503
Arch 5057
ArtH 1016; 3013; 3013; 3015; 3017; 3142; 3942; 5725; 5765; 5766; 5767; 5769; 5775; 5776; 5777; 5911
CAS 3521; 3531; 3611
Chic 3105; 3375; 3427
Chn 1201; 1202; 3161; 3162; 3163; 3165; 3266
Clas 3142
CPsy 5332
Dnce 3551; 5487
CULTURAL PLURALISM REQUIREMENT

Afro 1011; 3025; 3072; 3108; 3301; 3543; 3591; 3592; 3864; 3865; 3954; 5072; 5701; 5702
Amln 1771; 3026; 3036; 3111; 3112; 3116; 3211; 3242; 5251; 5341; 5411; 5422
AmSt 1001; 1002; 1003; 3113; 3401
Anth 3211; 3212
ArtH 3942
SECOND LANGUAGE GRADUATION REQUIREMENT

As of fall 1993, CLA offers graduation proficiency testing in the following languages to fulfill the second language requirement:

American Sign Language, Chinese, Dakota, Danish, Dutch, Finnish, French, German, Greek (biblical), Greek (classical), Hebrew (modern), Irish, Italian, Japanese, Latin, Norwegian, Ojibwe, Portuguese, Russian, Spanish, Swedish.

Tests have been proposed in Arabic, Greek (modern), Hindi, and Polish. Consult the respective department or your adviser before you begin the study of any language which lacks a graduation proficiency examination. Croatian and Serbian, Korean, Marathi, Persian, Sanskrit, Swahili, Turkish, and Urdu may not be taken to fulfill the CLA second language requirement. However, they count for degree credit and may count toward major requirements.

COURSE TITLE CHANGES

ART
3550. PRINTMAKING: EXPANDED APPROACHES/MONOPRINTS

5550. PRINTMAKING: EXPANDED APPROACHES/MONOPRINTS
ART HISTORY (ArtH)
3013. INTRODUCTION TO EAST ASIAN ART

BIOCHEMISTRY (BioC)
5401. METABOLISM AND ITS REGULATION

CHEMISTRY (Chem)
3301. ORGANIC CHEMISTRY I
3302. ORGANIC CHEMISTRY II
3303. ORGANIC CHEMISTRY III
3305. ORGANIC CHEMISTRY LABORATORY I
3306. ORGANIC CHEMISTRY LABORATORY II
3335H. HONORS ORGANIC CHEMISTRY LABORATORY
3336. ORGANIC CHEMISTRY LABORATORY III
3336H. HONORS ORGANIC CHEMISTRY LABORATORY

EAST ASIAN STUDIES (EAS)
3013. INTRODUCTION TO EAST ASIAN ART

ENGLISH AS A SECOND LANGUAGE (ESL)
0216. LOWER INTERMEDIATE ORAL SKILLS
0316. ENGLISH AS A SECOND LANGUAGE: ORAL SKILLS I
0326. ENGLISH AS A SECOND LANGUAGE: ORAL SKILLS II

GEOGRAPHY (Geog)
3381. POPULATION IN AN INTERACTING WORLD

GEOLOGY AND GEOPHYSICS (Geo)
5505. SOLID-EARTH GEOPHYSICS I
5506. SOLID-EARTH GEOPHYSICS II
5507. SOLID-EARTH GEOPHYSICS III
HISTORY (Hist)
3151-3152. HISTORY OF THE BRITISH ISLES

3811. POLITICS AND SOCIETY IN THE 19TH CENTURY

5807. RESEARCH IN U.S. POLITICAL HISTORY

HUMANITIES (Hum)
1001. HUMANITIES IN THE MODERN WEST I

1002. HUMANITIES IN THE MODERN WEST II

1003. HUMANITIES IN THE MODERN WEST III

1004. HUMANITIES IN THE MODERN WEST IV

1005. HUMANITIES IN THE MODERN WEST V

PHYSICS (Phys)
Phys. 5950 COLLOQUIUM SEMINAR

POLITICAL SCIENCE (Pol)
5471. POLITICS OF RUSSIA AND THE COMMONWEALTH OF INDEPENDENT STATES

RUSSIAN (Russ)
5021. RUSSIA STUDY TOUR

SCANDINAVIAN LANGUAGES AND LITERATURE
3670. TOPICS IN SCANDINAVIAN STUDIES: FICTION AND FILM

SLAVIC (Slav)
3511. SOUTHEAST EUROPE: SLAVIC CULTURAL DIVERSITY

SPEECH-COMMUNICATION (SPCH)
5451. INTERCULTURAL COMMUNICATION

5452. INTERCULTURAL INTERACTION: THEORY AND APPLICATION
COURSE NUMBER AND DESIGNATOR CHANGES

The table below records changes of course numbers and designator since publication of the current (1992-94) CLA Bulletin. Students should not register for courses under the new designators if they have received credit for equivalents under old designators.

New CSCL courses took effect Summer Session I.

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Post-consumer de-inked fiber

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