Office of the Registrar

Main titles for Supplement to the Undergraduate Catalog 1999-2001

The University
Undergraduate Education
Undergraduate Schools and Courses
Judd A. and Marjorie Weinberg College of Arts and Sciences
School of Education and Social Policy
McCormick School of Engineering and Applied Science
Medill School of Journalism
School of Music
School of Speech
Other Undergraduate Programs
Administration and Faculty
There are no entries for the Supplement to the Undergraduate Catalog 1999-2001 under this title.
Undergraduate Education: Supplement to the Undergraduate Catalog 1999-2001

There are no entries for the Supplement to the Undergraduate Catalog 1999-2001 under this title.
Undergraduate Schools and Courses: Supplement to the Undergraduate Catalog 1999-2001

There are no entries for the Supplement to the Undergraduate Catalog 1999-2001 under this title.
African and Asian Languages Program

African Language Courses

Page: 45

**AAL 397-1,2,3 Directed Language Self-Study**

Description of Change:
New course

**New text:**
Formal registration for an organized, supervised self-study of an African language not regularly offered in the Program of African and Asian Languages. The instructor-coordinator is responsible for providing text and multimedia language-learning materials, and for guiding the student by developing language-acquisition skills. It is expected that the student will also work with a mother-tongue speaker who is not a trained language teacher.

Asian Language Courses

Page: 45

**AAL 319-1,2,3 Chinese IV: Modern and Classical Chinese Literature**

Description of Change:
New course

**New text:**
This course is designed for students who want to peruse more advanced works of modern Chinese literature. They read the abridged version of the critically acclaimed novel Wei-cheng (besieged city, originally published in 1947), several short stories, essays, and newspaper
writings about current affairs. Besides intensive reading, students are expected to use a dictionary to write Chinese essays.

Page: 45

AAL 355-1,2,3 Topics in Hebrew Literature
Description of Change:
New course

New text:

Page: 46

African Studies Program

Description of Change:
Adding an African Studies course

New text:
African Studies 390-0 Topics in African Studies

Page: 46

Description of Change:
Adding an African Studies Course

New text:
African Studies 397-0 Seminar in African Studies

Page: 49

Anthropology

Courses Primarily for Freshmen and Sophomores

New Course
ANTHRO 216-0 Living Primates

Courses Primarily for Juniors and Seniors
ANTHRO 363-0 Language Variation and Change

Description of Change:
New course

New text:
This course surveys the methods, goals and findings of historical and sociolinguistics. Issues covered include historical reconstruction, grammaticalization, dialects, language and gender, class and ethnicity.

ANTHRO 364-0 Pidgins, Creole and Languages in Contact

Surveys the issues surrounding the study of so-called pidgin and creole languages and varieties restructured through contact. Special emphasis on creole formation and development.

ANTHRO 312-0 Human Population Biology

This course will provide an overview of current theory and methods in human population biology. The course will specifically focus on the influence of ecological and social factors on various aspects of human biology (e.g., metabolic rate, activity, energy balance, physical nutritional status, physiological working capacity). Ecological models for examining the links between culture, environment and biology will first be presented. Then, the conceptual and methodological aspects of monitoring the biology and health of human populations will be considered.

ANTHRO 382-0 Households and Everyday Life

The role of households and everyday life in past and present societies throughout the world. Focus on people, gender, social relations, and interpersonal relations. An archaeology course with heavy emphasis on theoretical perspectives from sociology and cultural anthropology.

Asian Studies Program

Description of Change:
New text:
At Northwestern a student may pursue Asian Studies either briefly or extensively. Many individual courses, notably 100- and 200-level courses, but also many 300-level courses, are designed for students with no background in Asian Studies. Students may use such courses either as electives or in fulfillment of appropriate requirements of their study programs.

The strength of Asian Studies at Northwestern lies in the number and quality of the faculty who are Asian specialists, the variety of courses they offer, and the scholarly resources of the library. In addition, students can enjoy the off-campus educational resources of Chicago, including the Art Institute's collection of Asian art, the Oriental Institute's collection of ancient Near Eastern artifacts, the Field Museum's oriental collections, and Asian drama and musical productions.

Asian Studies Program

Major in Asian Studies

Page: 55

Description of Change:
Major has been changed. There are now two tracks.

New text:
THE ADJUNCT MAJOR IN ASIAN STUDIES

The major has two tracks. The first is an adjunct major that is taken in conjunction with another major. (See below for the language-based, stand-alone major). Students with an adjunct major must complete 11 quarter-courses. Most courses are offered in discipline-based departments; there is no department of Asian Studies. Students must choose a concentration and complete five courses in the declared concentration. In most cases, the concentration will focus on one of the four broad, culturally differentiated areas into which Asia is conventionally divided: East Asia, Southeast Asia, South Asia, or West Asia/Middle East.

THE MAJOR IN ASIAN LANGUAGE
AND CIVILIZATION

This major consists of seventeen quarter-courses selected in consultation with the Asian Studies director from the approved list of Asia-related courses. The student and advisor will seek an appropriate geographic or other focus and will also normally select at least four courses from each of the three broad disciplinary categories: Social Sciences, History, and Humanities. Students will also complete six quarter-courses of language study in Arabic, Chinese, Hebrew, Hindi, Japanese, or Korean. (Native-speaker proficiency does not count for course credit.)

See the program director for details on requirements for the majors.

Minor in Asian Studies
**Description of Change:**

**New text:**

THE MINOR IN ASIAN STUDIES

Students may qualify for a minor in Asian Studies by satisfactorily completing eight quarter-courses selected, in consultation with the director, from an approved list of Asia-related courses. At least two quarter-courses must be taken in each of three broad disciplinary categories: social sciences, history, humanities. Six such courses will suffice for students who also satisfactorily complete two years of language study in Chinese, Japanese, Arabic, Hebrew, or Korean. (Native-speaker proficiency does not count for course credit.)

Within the framework of the above requirements, students will normally be expected to organize their programs with emphasis, but not exclusive focus, on one of the main regions or countries in Asia. Students are also encouraged to complete at least one quarter of research in their area of interest in the form of an independent study. Students should speak to the Asian Studies Program director who will help in planning a program to meet their individual needs and interests.

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**Biological Sciences, Undergraduate Program in**

**Courses Primarily for Undergraduates**

**Page: 57**

**BIOL_SCI 324 Bioinformatics**

**Description of Change:**

New course

**New text:**

An introductory course exploring the principles and applications of computational tools to research problems in biology. Prerequisites: Introductory-level biochemistry, protein structure and function, and some background in discrete mathematics, statistics and probability.

**Page: 57**

**BIOL_SCI 342 Population Genetics**

**Description of Change:**

New course

**New text:**

Economics

Courses Primarily for Freshmen and Sophomores

Page: 71

New Course
ECON 250 Business and Government

Survey of the functions, origins, and evolution of government control over business decisions in the American economy. Special emphasis on the modern structure of government regulation with attention to remote origins.
Prerequisite: 202. (Was ECON 334-0)

Courses Primarily for Sophomores, Juniors, and Seniors

Page: 71

Description of Change:
Econ 307-0 Change prerequisite from 311 to 310-2

New text:
Prerequisites 281, 310-1, 310-2

Page: 71

ECON 307-0 Economics of Medical Care
Description of Change:
Prerequisites incorrectly show 311 rather than 310-2

New text:
Prerequisites: 281, 310-1, 310-2

Page: 72

New Course
ECON 381-1,2 Econometrics

ECON 381-1,2 (417 C81-1,2) Introduction to Econometrics

1. Probability and distribution theory, statistical inference, simple and multiple regression, specification error and multicollinearity, heteroskedasticity and serial correlation, measurement error, dummy variables. Prerequisites: 281, 310-1, 311; MATH 214-2,3 or 214-4. 2. Hypothesis testing, estimation with deficient data, distributed lags, panel data, simultaneous equation systems, limited dependent variables. Prerequisite: 381-1.
**ECON 381-1,2 Introduction to Econometrics**

**Description of Change:**
Course title changed -- listed as new course

**New text:**

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**Page: 71**

**New Course**
**ECON 317-0 Topics in Economic Demography**

The economics of fertility, migration, population growth and demographic changes. Topics may include US immigration history, or more recent demographic trends and current issues such as the baby boom, aging, retirement, female labor force participation, and the economics of illegal migration. Prerequisites: 281, 310-1, 311

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**Page: 71**

**ECON 306-1,2 International Economics**

**Description of Change:**
Course 306-1: add Econ 310-2 as a prerequisite
Course 306-2: add Econ 281 & 311 as a prerequisite

**New text:**
306-1: Prerequisites: 281, 310-1,2, 311
306-2: Prerequisites: 281, 310-1, 311

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**Page: 71**

**ECON 321-0 African-American Economic History**

**Description of Change:**
Prerequisite mistakenly shown as 310-2 rather than 311

**New text:**
Prerequisites: 281, 310-1, 311

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**English**

Majors in English

**English and American Literature**
Description of Change:
Change in course requirements for Introductory courses

New text:
Introductory courses: 210-1,2 or 270-1,2, followed by 298

Description of Change:
Major courses changed from 11 to 10

New text:
Major courses: 10 courses

Description of Change:
Course requirement outside concentration is changed to five from six

New text:
Five courses outside the concentration.

Description of Change:
Change in number of classes required under fourth bullet point changed from nine to eight

New text:
At least eight English department courses, literature courses offered by the Department of African American Studies, or courses taught by members of the English department...

English Major in Writing

Description of Change:
Introductory courses have changed

New text:
Introductory courses: 206 and 207
Description of Change:
Literature requirement changed from five to six

New text:
Six literature courses, at least two of which must deal with works written before 1798 and at least two with works written after 1798

Honors in English

Description of Change:

New text:
The honors program in literature is currently under revision. A new program will be announced in the Winter of 2001 for the classes of 2002 and following.

Literature Courses Primarily for Freshman and Sophomores

New Course
ENGLISH 210-1 English Literary Traditions, Part I

Major works and writers from Chaucer to Pope and Swift (about 1750), along with the history, traditions, language, and cultural contexts that make them meaningful.

New Course
ENGLISH 210-2 English Literary Traditions, Part II

Takes up the historical survey of British literature from 210-1, beginning with the mid-eighteenth century and proceeding to the edge of World War I.

New Course
ENGLISH 298-0 Introductory Seminar in Reading and Interpretation

Description of Change:
Change in course description

New text:
Close reading of literary works in the light of various perspectives in literary study. Prerequisite: 210-1,2 or 270-1,2 (may be taken concurrently).
Literature Courses Primarily for Juniors and Seniors

Page: 75

New Course
ENGLISH 311-0 Studies in Poetry

Content varies.

Page: 75

ENGLISH 398-1,2 Senior Honors Sequence
Description of Change:
(The Honors program is currently undergoing major revision. Consult the Director of Undergraduate Studies.)

New text:

Page: 75

ENGLISH 399-0 Independent Study
Description of Change:
New description

New text:
Individual projects with faculty guidance for outstanding majors with junior or senior minors. May be elected three times, but only one unit at a time. Prequisite: consent of department or director of writing major.

Geological Sciences

Courses Primarily for Freshmen and Sophomores

Page: 84

Description of Change:
Title change

New text:
Global Environmental Change

Page: 84

GEOL_SCI 201-0 Surface Processes
Description of Change:
New course description.
New text:
Mountain building, deformational features, tectonic forces, glaciation, weathering, sedimentation, metamorphism, and volcanism. Field trip. Prerequisites: Chemistry 103, Math 214-1, or equivalent.

Page: 84

New Course
GEOL_SCI 203-0-01 Earth System History

Evolution of the Earth System and its record through geological time. Interactions among the atmosphere, hydrosphere, sediments, and life on Earth. Prerequisite: Geological Sciences 201, or equivalent.

Courses Primarily for Juniors and Seniors

Page: 85

New Course
GEOL_SCI 327-0-01 Geochemical Processes in the Earth’s Crust and Mantle

Fundamental principles of multiphase equilibria and solution chemistry necessary to understand fluid-rock interactions in the earth's crust. Hydrothermal ore deposits, geothermal systems, and metamorphism.

German

Minors in German

Page: 86

Description of Change:
Minor in Business German (9 units)
• Language (4 units)
  205
  Two quarter courses chosen from 203,205,208
  (205 may be repeated for credit with different topic)
  Two quarter courses of 391, one on advanced grammar and composition and one on advanced conversation.
• Business German (4 units): two quarter courses each of 280 and 380 (280 and 380 may be repeated for credit with different topic)

New text:
Minor in Business German (9 units)
• Language (4 units)
  205
  Two quarter courses chosen from 203,205,208
Two quarter courses of 391, one on advanced grammar and composition and one on advanced conversation.

• Literature/culture (1 unit)
  One quarter course chosen from 201-1, 2, 3, 4, 204, 215

• Business German (3 units): one quarter course of 280 and two quarter courses of 380 (380 may be repeated for credit with different topic)

Business German Examinations

Page: 86

Description of Change:
Business German Examinations

Students completing a major with a concentration in business studies or a minor in business German may take one or both of the internationally recognized business German examinations offered each spring through Northwestern. Business German credentials are important in today's job market for two reasons: German is a leading language in the European market, and German corporations have more than 2,500 subsidiaries and affiliations in the United States that employ nearly 600,000 Americans.

New text:
Business German Examinations

Students completing a major with a concentration in business studies or a minor in business German may take one or both of the internationally recognized business German examinations offered through Northwestern. Business German credentials are important in today's job market for two reasons: German is a leading language in the European market, and German corporations have more than 2,500 subsidiaries and affiliations in the United States that employ nearly 600,000 Americans.

Page: 87

Description of Change:
Students successfully completing two quarters of 280 may take the Zertificat Deutsch für den Beruf, an examination developed jointly by the Goethe-Institut and the Deutscher Volkshochschulverband. Students successfully completing two quarters of 380 may take the Prüfung Wirtschaftsdeutsch International, an examination developed by the Goethe-Institut, the Association of German Chambers of Industry and Commerce, and the Carl Duisberg Centers.

For more information on these examinations, see the German department Web page at www.german.nwu.edu

New text:
Students successfully completing one quarter of 280 may take the Zertificat Deutsch für den Beruf, an examination developed jointly by the Goethe-Institut and the Deutscher Volkshochschulverband given at the end of 280 in the fall. Students successfully completing two quarters of 380 may take the Prüfung Wirtschaftsdeutsch International, an examination developed by the Goethe-Institut, the Association of German Chambers of Industry and
For more information on these examinations, see the German department Web page at www.german.nwu.edu

Language Courses

**Page: 87**

**Description of Change:**
German 280-0 (425-B80-0) German in Commerce and Industry German language study oriented toward business. Emphasizes business-related communicative situations such as social interactions, business travel, oral and written contact with customers, basic sales dialogues, and basic business letters. Prepares students for the Zertificat Deutsch für den Beruf exam. May be repeated for credit with different materials. Prerequisite: one 200-level course in German or very strong performance in 102-3.

**New text:**
German 280-0 (425-B80-0) German in Commerce and Industry German language study oriented toward business. Emphasizes business-related communicative situations such as social interactions, business travel, oral and written contact with customers, basic sales dialogues, and basic business letters. Prepares students for the Zertificat Deutsch für den Beruf exam. Prerequisite: one 200-level course in German or very strong performance in 102-3.

**Page: 91**

**New Course**
HISTORY 214-0 Asian-American History

Introduction to the history of Asians in the USA. Focus is on their impact on American society as well as their experiences within the USA.

**Page: 92**

**New Course**
HISTORY 306-1,2 The History of the American South

History of the American South from colonial settlement in the 17th to the Civil Rights Movements of the 1950s and 60s. Includes analysis of the rise of slavery and the plantation system, formation of slave family and culture, sectional conflict, Civil War and emancipation, Reconstruction, segregation and Civil Rights movements. 1. This course will examine the history of the American South from its colonial settlement in the early 17th century to the end of the Civil War in 1865. 2. This course will examine the history of the
American South during the century from the Civil War (1860s) through the Civil Rights movement (1960s).

Europe

Page: 92

HISTORY 337-0 History of Modern Europe
Description of Change:
Revising course title and description.

New text:
HISTORY 337-0 (427-C37-0) History of Europe in the 19th and Early 20th Centuries
A survey of the Political and Social History of Europe between 1815 and 1945 with special emphasis on the political integration and disintegration of the Continent and the causes and effects of social and economic change.

England and the British Isles

Page: 93

HISTORY 260-1,2 England and the British Isles
Description of Change:
This course replaces 260-0.

New text:
British History, 1066 to the Present. 1. The British Isles from the Norman Conquest to the Glorious Revolution. 2. Britain from the Glorious Revolution to the Twenty-First Century. We expect that, as in the past, both quarters of this course will be included on the Distribution Requirements list.

Humanities

Courses

Page: 95

HUM 395-1,2,3 Humanities Seminar
Description of Change:
Small changes in examples of annual theme (description of courses).

New text:
Yearlong seminar meeting approximately five times per quarter, revolves around visits by eminent humanists from various fields, who address questions related to an annual theme (1998-99, Cultures and Technologies of Time; 1999-2000, Arts and Publics; 2000-2001, Black Identities, Race, and Modernity).
New Course

**SLAVIC 358-1,2 Language in Polish Literature**

This two-quarter sequence of courses is addressed to students who already speak Polish, but who have problems with stylistics and more complex grammatical structures, and/or who want to elevate their culture and conscious use of Polish. In addition, students will have a chance to become familiar with the major achievements of Polish artistic prose in the twentieth century.

Courses with Reading and Discussion in English

**SLAVIC 261 Polish Culture in the Twentieth Century**

**Description of Change:**

New course

**New text:**
Polish Culture in the Twentieth Century acquaints students with key developments in Polish history, literature and thought by way of central texts drawn from a variety of fields: literature, history, politics, journalism, memoirs, essays, and film. Poland in our century can serve as a microcosm for European history and culture, for it has had the the (mis)fortune to be a colonized nation, a newly independent state, a thrall to Nazi Germany and the Stalinist USSR, and an aspirant to full membership in the European common market.

Women's Studies Program

**Description of Change:**
Change in the program name.

**New text:**
The Women's Studies Program is now called the Gender Studies Program.

**Page:** 121

**Page:** 127

**Page:** 127
New text:
All courses with a WM ST designation will now have a GENDR ST designation.

Page: 127

Description of Change:

New text:
Changes to individual courses will be reflected in 2001-2003 catalogue.

Women's Studies Program

Major in Women's Studies

Program courses (at least 11 units)

Page: 128

Description of Change:
Increased number of core-course offerings.

New text:
Three core courses may be chosen from among: 210, 230, 231, 250, and SOCIOL 216.
School of Education and Social Policy: Supplement to the Undergraduate Catalog 1999-2001

There are no entries for the Supplement to the Undergraduate Catalog 1999-2001 under this title.
McCormick School of Engineering and Applied Science: Supplement to the Undergraduate Catalog 1999-2001

Undergraduate Programs of Study

McCormick School Curriculum Requirements

Engineering Analysis and Computer Proficiency (4 courses)

**Page:** 148

**Description of Change:**
Addition of P/N restriction notice

**New text:**
GEN ENG 205-1,2,3,4 Engineering Analysis (These courses may not be taken P/N.)

Basic Sciences (4 courses)

**Page:** 148

**Description of Change:**
Title Update

**New text:**
GEOL SCI 201 Surface Processes
GEOL SCI 202 Earth's Interior

Design and Communications (3 courses)
Description of Change:
Addition of number of courses required from this subgroup

New text:
¥ -Writing and design (2 courses)

Page: 148

Description of Change:
Addition of a course required in this subgroup

New text:
GEN ENG 106-1,2 Engineering Design and Communication Plus
ENGLISH 106-1,2 Writing in Special Contexts

Basic Engineering (5 courses)

Page: 148

Description of Change:
Addition of course previously not offered

New text:
Electrical science
ECE 202 Introduction to Electrical Engineering
ECE 241 Circuits I

Page: 148

Description of Change:
Addition of courses not previously offered and revision of course restrictions

New text:
CHEM ENG 210 Analysis of Chemical Process Systems
IEMS 313 Deterministic Models & Optimization
IEMS 315 Stochastic Models and Simulation
IEMS 319 Operations Research (may not be taken with either IEMS 313 or 315)

Page: 148

Description of Change:
Addition of courses not previously offered
New text:
ECE 201 Introduction to Digital Logic Design
ECE 203 Introduction to Computer Engineering
ECE 205 Fundamentals of Computer Systems Software

Page: 149

Description of Change:
Substitution of courses required

New text:
IEMS 301 Introduction to Statistics

Department Curricula

Applied Mathematics Curriculum

Page: 149

Description of Change:
Addition of one required area of Basic Engineering

New text:
5 courses from at least four of the following areas: systems engineering and analysis, mechanics, thermodynamics, fluids and solids, materials science, electrical science, computer science, and computer engineering.

Page: 149

Description of Change:
Addition of qualification statement

New text:
¥ -Engineering or the sciences - 4 courses leading to an in-depth understanding of an area of application (300-level or higher)

Biomedical Engineering Curriculum

Page: 150

Description of Change:
Update Basic Engineering requirements

New text:
Electrical science: ECE 241, 202, 270 or BME 221
Computer engineering: ECE 201, 316, 203, or 328
Probability, statistics, and quality control: BME 220, ECE 302, IEMS 303, or MECH ENG 359
Civil Engineering Curriculum

Page: 151

Description of Change:
Specification of level of required courses

New text:
Technical electives - 8 courses, 200 level or above, in mathematics, science, engineering, or other area supporting student's specialty. Any 2 of the 8 must be from an approved list of design and synthesis courses.

Computer Science Curriculum

Page: 151

Description of Change:
Broaden the possibilities of basic science courses.

New text:
Basic sciences - 4 courses

Environmental Engineering Curriculum

Page: 153

Description of Change:
Specification of Requirement

New text:
Probability, statistics, and quality control: 1 course (CIV_ENG 306 recommended)

Page: 153

Description of Change:
Change number of course courses

New text:
¥ -Core - 12 courses

Page: 153

Description of Change:
Delete specific design requirement

New text:
¥ -Design - 1 course from
Industrial Engineering Curriculum

Page: 153

Description of Change:
Addition of two basic science courses.

New text:
PHYSICS 135-2; PHYSICS 135-3 and 2 other courses
or CHEM 101, 102, 103, or 171, 172.

Page: 153

Description of Change:
Change of basic engineering description

New text:
Basic engineering - 5 courses
IEMS 326; ECE 230; COMP SCI 317 or ECE 328; and 2 of the 5 courses must be from at least four different areas.

Manufacturing Engineering Curriculum

Page: 154

Description of Change:
Basic Engineering additions, corrections, and clarifications.

New text:
Design and communications - 3 courses
Basic engineering - 5 courses
Thermodynamics: One course, MECH ENG 220 recommended
Materials science: One course, MAT SCI 201 recommended
One course from the following areas: Electrical Science or Computer Engineering
Systems analysis: IEMS 319 and IEMS 326
IEMS 313, taken along with IEMS 315 can be substituted for IEMS 319. Students must petition and count IEMS 313 as an unrestricted elective.

Page: 154

Description of Change:
Major Program deletion of obsolete course

New text:
Major program - 16 courses
¥ -Core - 10 courses

Computer programming: COMP SCI 110 or ECE 230
CIV ENG 216 Mechanics of Materials I
IEMS 301 Introduction to Statistics
or IEMS 303 Statistics I
or IEMS 307 Quality Improvement by Experimental Design
IEMS 305 Statistical Methods for Quality Improvement
IEMS 329 Production Planning and Scheduling

Page: 154

Description of Change:
Change of order of titles

New text:
or IEMS 303 Statistics I
IEMS 305 Statistical Methods for Quality Improvement
or IEMS 307 Quality Improvement by Experimental Design

Page: 154

Description of Change:
Senior Design requirements changed

New text:
¥ -Senior design project - 2 courses
IEMS 336-1,2 Industrial Engineering Design Project I and II
or
MECH_ENG 398 Engineering Design and one of the following:
MECH_ENG 340-2 Computer-Integrated Manufacturing
MECH_ENG 366 Finite Elements for Design and Optimization
MECH_ENG 399 Projects
or
ECE 399 Projects and one of the following:
ECE 347 Microprocessor System Projects
ECE 392 VLSI Systems Design Projects
ECE 398 Electrical Engineering Design
or
ECE 399 Projects and one of the following:
ECE 347 Microprocessor System Projects
ECE 362 Computer Architecture Projects
ECE 392 VLSI Systems Design Projects

Materials Science and Engineering Curriculum

Page: 175

Description of Change:
Insert new course information.

New text:
MAT SCI 332 Mechanical Behavior of Solids
MAT_SCI 335 Polymer Processing and Properties
**Mechanical Engineering Curriculum**

**Page: 154**

**Description of Change:**
Change in basic sciences requirements

**New text:**
PHYSICS 135-2,3; Chemistry courses through 102 or 171

**Page: 155**

**Description of Change:**
Deletion of optional course within Basic engineering material science requirement

**New text:**
Materials science: MAT SCI 201

**Page: 155**

**Description of Change:**
Reduce number of required technical electives

**New text:**
2 300-level technical electives

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**Chemical Engineering**

Courses Primarily for Undergraduates

**Page: 160**

**New Course**
**CHEM_ENG 390-0 Personal and Organizational Effectiveness**

Provides an introduction to the non-technical skills required for effectiveness in a business environment with a goal of increasing the personal effectiveness (and marketability) of graduate and senior undergraduate students. Prerequisite: pre-senior standing or higher.

---

**Engineering Sciences and Applied Mathematics**
ES_APPM 252-1,2,3 Honors Calculus for Engineers
Description of Change:
Update course number and add additional substitute.

New text:
Satisfies same requirements as MATH 214-3, 215, and 221 or GEN_ENG 205-4.

Industrial Engineering and Management Sciences
Courses Primarily for Undergraduates
Page: 171

IEMS 203-0 Probability and Statistics for Engineers
Description of Change:
Delete from listing

New text:
Courses Primarily for Undergraduates

Page: 171

IEMS 203-0 Probability and Statistics for Engineers
Description of Change:
Delete from listing

New text:
Courses Primarily for Undergraduates
IEMS 203-0 (738 B03-0) Probability and Statistics for Engineers - Delete

Materials Science and Engineering
Courses Primarily for Undergraduates
Page: 175

New Course
MAT_SCI 355-0 Polymer Processing and Properties
Effects of processing flows on microstructure of solid polymers, glassy and semicrystalline. Extrusion and molding; structural characterization and mechanical behavior; additives. Prerequisite: MAT SCI 331, CHEM ENG 361, or Permission of Instructor.

Mechanical Engineering

Courses Primarily for Undergraduates

Page: 178

**MECH_ENG 377-0 Heat Transfer**

Description of Change:

Change of prerequisite.

New text:

Prerequisite: 241 Fluid Mechanics.

Page: 177

**New Course**

**MECH_ENG 333-0 Introduction to Mechatronics**

Introduction to microprocessor-controlled electromechanical systems. Interfacing sensors and actuators to computers, electrical and mechanical prototyping, dissection of a commercial product. Final team project.

Page: 178

**New Course**

**MECH_ENG 363-0 Mechanical Vibrations**


Page: 177

**New Course**

**MECH_ENG 381-0 Introduction to Micro-Electro-Mechanical-Systems (MEMS)**

Microelectromechanical devices with an emphasis on their manufacturing and mechanical behavior. Material properties, microfabrication technology, mechanical behavior of microstructures, design and packaging. Case studies on sensors, wireless communications, fluidic systems, micro engines, and biological devices. Prerequisite: CIV_ENG 216 or consent of the instructor.
Medill School of Journalism: Supplement to the Undergraduate Catalog 1999-2001

There are no entries for the Supplement to the Undergraduate Catalog 1999-2001 under this title.
There are no entries for the Supplement to the Undergraduate Catalog 1999-2001 under this title.
School of Speech: Supplement to the Undergraduate Catalog 1999-2001

Academic Policies

Faculty Advisers

Page: 254

Description of Change:
New faculty members

New text:
Viorica Marian, (Ph.D. Cornell) Assistant Professor of Speech Language Pathology,
Kristen Larsen, (MA Northwestern) Lecturer,
Kathleen Bradley, (MA Roosevelt) Lecturer,
Katherine McShane, (MA Northwestern) Lecturer

Page: 254

Description of Change:
departed faculty members

New text:
Joanne Carlisle, (Ph.D. Connecticut) Associate Professor of Learning Disabilities

Page: 255

Description of Change:
departed faculty member

**New text:**
Addison Stone (Ph.D. Chicago)
Professor of Learning Disabilities

**Page:** 255

**Description of Change:**
departed faculty member

**New text:**
Laszlo Stein (Ph.D. Northwestern) Professor,

**Page:** 255

**Description of Change:**
departed faculty member

**New text:**
Amy Soifer, (MA Northwestern) Lecturer

Audiology and Hearing Sciences

Courses for Undergraduates and Graduates

**Page:** 210

**Description of Change:**
course title change,
course title and number change,
course title change

**New text:**
AUD 366-0 (new title) Hearing Impairment,
AUD 367-0 changed to AUD 467 Seminar: Advanced topics in Management of Hearing Impairment,
AUD 368-0 (new title) Clinical Management of Hearing Impairment

**Page:** 210

**AUD 366-0 Hearing Impairment**

**Description of Change:**
course title change and description change
New text:
Title: Hearing Impairment
Description: Impact of Impaired hearing on children and adults, Principles and practices in rehabilitation. Selection and use of sensory aids.

Page: 210

AUD 366-0 Hearing Impairment
Description of Change:
course title change and description change

New text:
Title: Hearing Impairment
Description: Impact of Impaired hearing on children and adults, Principles and practices in rehabilitation. Selection and use of sensory aids.

Page: 211

AUD 368-0 Theory and Practice in Rehabilitation of Hearing-Impaired Children and Adults
Description of Change:
Title and course description change

New text:
Title: Clinical Management of Hearing Impairment, Description: Clinical practice in management of impaired hearing

Learning Disabilities

Courses for Undergraduates and Graduates

Page: 211

LRN_DIS 373-0 Introduction to Learning Disabilities
Description of Change:
LRN_DIS 373-0 was omitted from the 1999-2001 Undergraduate Catalog

New text:
Psychological, neurological, and linguistic theories of language and learning as related to learning disabilities. Prerequisite: junior standing or above.
Organizational Communication

Page: 212

Description of Change:
Adding

New text:
The success of all organizations - whether small neighborhood groups or giant multinational corporations - depends on effective communication. Organizations must have members who are skilled in the basic communication activities of persuasion, group leadership and decision making, bargaining and negotiation, and team problem solving. And in the contemporary world, organizations also demand the knowledge necessary to analyze and act on information gathered from surveys and other research methods, to harness the resources of communication technology, and to thrive in an environment of diverse individuals. This concentration includes courses that develop basic communication skills as well as courses that examine communication processes in such contexts as task-oriented groups and professional-client relationships. It also includes courses that focus on the organizational challenges associated with technology, information management, cultural diversity, and image building. This concentration will be of interest to students who wish to work - and who will seek to lead - in either business or not-for-profit organizations. To complete this concentration, students must take 201 and 260 and choose a minimum of four courses from the following: 205, 229, 250, 270, 275, 329, 341, 350, 361, 362, 363, 364, 365, 371, 391, 392, and 393.

Communication Industries and Technologies

Page: 212

Description of Change:
Adding Classes to the List of Courses student must choose from to complete the concentration, 355, 373, 383.

New text:
Mass communication and telecommunications are reshaping the culture, commerce, and politics of the United States and the world. Media firms are merging into ever-larger organizations that produce film, television, music, books, magazines, newspapers, and software for audiences worldwide. At the same time, technology is breaking down the old distinctions among computers, telephones, video, and print to create new networks that integrate video, voice, and data. These changes present new and sometimes unanticipated challenges to managers in business as well as to leaders in government, education, the arts, and the professions. This course concentration is intended for students who wish to prepare for these challenges by developing an understanding of the social, economic, legal, and technical aspects of mass communication and telecommunications. It will be of interest to students who seek careers in such communication fields as advertising and public relations, management of entertainment and information industries, and public policy making. To complete this concentration, students must select a minimum of six courses from the following: 201, 229, 275, 287, 330, 350, 355, 370, 373, 376, 377, 383, 385, and 393.

Rhetoric, Media, and Public Culture
Descriptive of Change:
Adding classes to bottom section, where students must choose courses to complete the concentration. 324, 373, 375.

New text:
Citizens of the 21st century must understand the communication opportunities, obligations, and risks that emerge in an era of cultural diversification and conflict. This course concentration examines the relationship between communication and culture from a rhetorical and critical perspective - that is, from a point of view emphasizing the use of language and image to characterize social reality, create forums for deliberation and debate, and confront controversial issues and cultural differences. The concentration includes courses that engage the issues raised by differences of race, class, gender, nationality, and political conviction. It also includes courses that examine such cultural processes as the legitimation of social authority, the construction of personal as well as national identity, and the articulation of national purpose and international obligation. The role of the mass media in these issues and processes is of particular concern. This course concentration is intended for students interested in positions of civic leadership, such as in community-based organizations, social reform movements, and cultural, political, and educational institutions. To complete this concentration, students must take 210 and one other 200-level course from the following: 225, 271, and 275. They must also select a minimum of four courses from the following: 315, 320, 324, 325, 327, 328, 329, 330, 370, 371, 373, 375, 376, 377, 378, and 392.

Relational Communication

Description of Change:
To update the list of courses student may choose from for completion of the concentration.

New text:
Our lives are spent in relationships with others. Most people are born into a family, form friendships, join work groups, and begin romantic attachments that sometimes turn into new family units. Interpersonal communication is the means by which we develop, maintain, and terminate these relationships. The relational communication concentration focuses on these processes. It has four components: courses examining the psychological variables that affect how people create and interpret the communication behaviors that occur during social interaction; courses examining the contexts in which relational communication occurs, such as the family and the work group; courses focusing on strategies and processes of interpersonal influence; and courses focusing on gender, culture, and other factors on the processes of relational communication. This concentration is intended for students interested in the psychological foundations of human communication as well as those interested in the helping professions (e.g., therapy, counseling). To complete this concentration, students must take two core courses, 201 and 241, and select a minimum of four courses from the following: 205, 250, 260, 341, 343, 344, 350, and 382, 392, 394.

Media and Politics
Communication is essential to both effective leadership and citizen participation. Leaders must employ the arts and sciences of communication to negotiate policy, move public opinion, maintain relations with other nations, and of course, win votes. Citizens must understand these arts and sciences if they are to maintain self-government. This course concentration focuses on the role of communication in the political processes of modern democracies, especially on how government officials, candidates, and citizens interact with the mass media in the realm of public affairs. The concentration is intended for students interested in political organizing and consulting, opinion polling, policy analysis, and research work in public interest groups and other not-for-profit organizations. To complete this concentration, students must take 272 and a minimum of three courses from each of two groups: the political leadership group, focusing on the rhetoric and strategies of political persuasion, consisting of 315, 321, 325, 328, 380, and 391; and the citizen participation group, concerning Americans' beliefs and the ways they respond to political information, consisting of 201, 205, 271, 355, 370, 371, 372, 373, 380, 383, and 393.

Argumentation and Advocacy

Lawyers, policy makers, and indeed all citizens must be able to put forward and defend their views when matters of common concern are debated. This course concentration is based on the conviction that the skills of advocacy can best be cultivated in the liberal arts tradition by uniting intensive practice in the arts of argumentation with theory-based understanding of advocacy and deliberation. In this concentration, courses emphasizing practice require students to think critically about their positions, plan their communicative strategies effectively, and argue their cases forcefully. Courses emphasizing understanding enlarge students' views of the traditions and institutions - especially the law - that shape the processes of advocacy and deliberation on vital issues. Thus prepared, students can take their places as articulate citizens in the various communities to which they belong. The perspectives and skills offered in this concentration are particularly appropriate for students interested in law careers. To complete this concentration, students must select three practice-oriented courses from 214, 215, 220, 221, and 250 as well as three theory-oriented courses from 205, 210, 320, 321, 324, 325, 327, 330, 331, 332, 363, 364, 372, 391, and 393.

General Requirements for a Major in Communication Studies
School of Speech distribution requirements. 18 courses outside the department, including 3 from each area: Science, Mathematics, and Technology, Individual and Social Behavior, and Humanities and Fine Arts.

- Two of the following: GEN SPCH 101, 102, 103, 104

- An additional 12 courses in the School of Speech, at least 9 of which must be in the department. At least 5 courses within the department must be at the 300 level. Not more than one unit of 393 Field Study in Communication and not more than two units of 399 Independent Study may be applied toward the total of 12 courses in speech.

- A field of study outside the School of Speech (normally one of the disciplines of the Weinberg College of Arts and Sciences), consisting of at least 6 courses with half or more of this study at the 300 or 400 level. Courses taken to satisfy the distribution requirement may be applied to the field of concentration if they fall within the discipline in which the student chooses to concentrate.

- Electives in speech and other areas

Departmental Honors Program

Page: 213

Description of Change:
Updated and clearer description of the Departmental Honors Program.

New text:
Undergraduate Honors Program in Communication Studies offers an opportunity for highly motivated students to conduct original scholarly research. Each year the Department invites students in their junior year to apply for the undergraduate honors program. The call for applicants is made at the end of winter quarter. In the senior year, each participant selects an area of interest and works closely with a faculty advisor and with the other members of the program to execute an original research project. Seniors who complete the program graduate with Departmental Honors. Also see Honors and Prizes in the Undergraduate Education section of this catalog.

CoursesPrimarily for Freshmen and Sophomores

Page: 213

New Course
COMM_ST 298-0 Undergraduate Seminar

Student or faculty initiated seminars to consider special topics. Credit for 298 may be earned more than once. No more than two units of such credit may be applied toward fulfillment of the major requirements.

CoursesPrimarily for Juniors, Seniors, and Graduates

Page: 216

New Course
COMM_ST 373-0 News Media and American Society
News is a form of culture as well as a force in politics. It reflects and interprets enduring social values even as is reports the onrushing events of the day. This course examines the form, content and meaning of the news and the role of the news media in social continuity and change. Prerequisite: 272.

Page: 215

**New Course**
**COMM_ST 324-0 The Making of the Woman’s Oratorical Tradition**

In the nineteenth century, American woman social reformers broke the taboo against female orators and proved themselves masters of the art. The course traces this development from its origins in the 1820’s through the early twentieth century.

Page: 216

**New Course**
**COMM_ST 383 Satellites**

Lectures, discussions, and multimedia materials on the historical development and contemporary issues about satellite communication. Research on contemporary issues of satellite development in government, corporate, and social settings. Relationship of satellite issues to telecommunications, geostrategic issues, information society, cyberspace, diplomacy, security, and military, environmental issues, and globalization.

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**Radio/Television/Film**

Requirements for a Major in Radio/Television/Film

Page: 218

**Description of Change:**
Change only the first two lines under Requirements for majors in Radio/Television/Film

**New text:**
Introductory courses: 180; a minimum of 3 courses at the 100 or 200 level in speech outside the department

200-level courses: 220, 230, 280. 280 is prerequisite for all 300-level production courses. 260 is an elective, and is prerequisite for more advanced writing courses.

Courses Primarily for Freshmen and Sophomores

Page: 218
New Course
RTVF 180 Media Construction 1: Media Literacy

Foundations of creative processes for media production. Image construction and manipulation; image sequencing; sound and sound-image relation; basics of web design. Prerequisite for all upper-level courses in production. Required for majors

Page: 218

RTVF 201-0 Mass Media and Society

Description of Change:
Change Name and Number of 201-0

New text:
RTVF 230 Understanding Media Contexts

Page: 219

Description of Change:
Change Name and description of 220-0

New text:
Analyzing Media Texts An introduction to the study of the moving image. Defines and examines the basic elements of style across a range of media, including film, television, and interactive media. Focuses on close analysis of individual texts as a means of finding narrative, thematic, political, and/or personal significance in the moving image. Prerequisite to all 300-level courses in the department.

Page: 219

Description of Change:
Change name, number and description for 280-1,2,3

New text:
R/TV/F 280 Media Construction 2: Sight & Sound Foundation course in single camera production, with emphasis on expressive possibilities of lighting. Prerequisite: RTF 180 (Media Construction 1) and RTF 220 (Analyzing Media Texts).

Page: 219

New Course
RTVF 260-0 Foundations of Screenwriting

An introduction to writing for the screen (film, tv, and/or computer). Topics include: The Writer’s Process, Structure, Character, Dialogue, Format, Voice, Scope, Pace, and Context (How Screenplays are Shaped by Political, Social, and Economic Forces). Prerequisite for all 300 and 400 level writing courses in the department.

Page: 219
RTVF 220-0 Analyzing Media Texts

Description of Change:
Change Name of Description to 220-0

New text:
R/TV/F 220 Analyzing Media Texts An introduction to the study of the moving image. Defines and examines the basic elements of style across a range of media, including film, television, and interactive media. Focuses on close analysis of individual texts as a means of finding narrative, thematic, political, and/or personal significance in the moving image. Prerequisite to all 300-level courses in the department.

Page: 218

Description of Change:
Delete 112-0 from the book, this class is no longer offered.

New text:
Delete RTVF 112

Courses Primarily for Juniors, Seniors, and Graduates

Page: 219

Description of Change:
Change Name and Description of 360-0

New text:
R/TV/f 360-0 Topics in Screenwriting Various approaches to screenwriting, emphasizing different modes and genres such as: The short film; the teen film; screenplays based on pre-existing material; soap opera; Interactive computer; etc. Maybe taken twice for credit.

Theatre

Requirements for a Major in Theatre

Page: 220

Description of Change:
change as follows

New text:
¥ -Introductory courses
Theatre 140-A,B (2 quarters which includes Production Labs); 2 courses from the following: GEN SPCH 101, 102, 103, 110
¥ -Noncredit dance or physical education courses: three quarters from a selected list
¥ -200- and 300-level courses: a minimum of 5 courses at the 200 level and 5 courses at the 300 level or above in theatre, with courses from
Requirements for a Major in Theatre

Design/Technology

Page: 221

Description of Change:
Change text as follows:

New text:
Design/Technology (at least 2 courses)
THEATRE 240-1,2,3 Stagecraft
THEATRE 241-1,2,3 Design Process
THEATRE 242 Stage Makeup
THEATRE 249 Stage Management
THEATRE 342-1,2 Stage Lighting Design II
THEATRE 343-1,2 Scene Design II
THEATRE 344-1,2 Costume Design II
THEATRE 353 Topics in Stagecraft
THEATRE 354-1,2,3 History of Costume and Decor (1 unit only)
THEATRE 355 Scene Painting
THEATRE 363 Theatre Sound

Requirements for a Major in Dance

Page: 221

Description of Change:
add course 108 to introductory courses

New text:
Introductory courses: DANCE 130-1,2,3; THEATRE 119 (two quarters, no credit); 1 course from the following: GEN SPCH 101,102,103,108,110

Page: 221

Description of Change:
change non credit to credit and list sections

New text:
At least 1 yearlong credit technique class per quarter (1 credit per year - 4 credits minimum) from the following courses:
240-1,2,3;
242-1,2,3;
244-1,2,3.
At least 8 courses chosen from the following categories, with a minimum of 3 courses from each category (2 courses minimum from Professional Studies):

Requirements for a Major in Dance

Performance

Page: 221

Description of Change:
add course 442 Studies in Dance

New text:
DANCE 442 Studies in Dance

History, Theory, and Criticism

Page: 221

Description of Change:
add course Theatre 367 History of Lyric Theatre

New text:
Theatre 367 History of Lyric Theatre

Professional Studies

Page: 221

Description of Change:
add course 342 studies in dance

New text:
DANCE 342 Studies in Dance

**Page:** 221

**Description of Change:**
add course 380 internship

**New text:**
THEATRE 380 Internship
Writing Arts

Courses

Page: 229

WRITING 110-5,6 Modes of Writing: Social Order and the Right to Dissent
Description of Change:
Typographical error in the number of the required course that must be taken after 110-5.

New text:
Must take 110-6 in the quarter following 110-5; P/N not allowed.
Prerequisite for 110-5: freshman standing; prerequisite for 110-6: 110-5.

Page: 229

WRITING 114-5,6 Modes of Writing: The Bible and Its Transformations
Description of Change:
Clarification of prerequisites.

New text:
Prerequisite for 114-5: freshman standing; prerequisite for 114-6: 110-5
Administration and Faculty: Supplement to the Undergraduate Catalog 1999-2001

University Administration

Office of the Associate Provost of University Enrollment

Registrar's Office

**Page:** 230

**Description of Change:**
Title Change

**New text:**
Michael E. Maysilles, MM, Senior Assistant Registrar for Scheduling and Registration

**Page:** 230

**Description of Change:**
Name and Title Change
Remove Michelle Tran

**New text:**
William R. Berry, Assistant Registrar for Reporting and Systems

Undergraduate Schools

Weinberg College of Arts and Sciences
Description of Change:
The degree and status information for Noriko Taira is corrected

New text:
Noriko Taira (MEd Massachusetts)
Senior Lecturer

Description of Change:
Change in status for Hong Jiang

New text:
Senior Lecturer

Description of Change:
Degree and status information for Eunmi Lee is changed

New text:
(MA Indiana)
Senior Lecturer

Description of Change:
Add new faculty member

New text:
Rami Nair (PhD Northwestern)
Lecturer
Add new faculty member

**New text:**
Nasrin Qader (PhD Wisconsin)
Lecturer

**Page:** 231

**Description of Change:**
Add new faculty member

**New text:**
Xiaoxing Liu (PhD Illinois)
Lecturer

Art History

**Page:** 232

**Description of Change:**
Prof. Clayson is now the Chair of the department of Art History and Profs. Dillon and Okoye have left the department

**New text:**
S. Hollis Clayson (PhD UCLA)
Associate Professor and Chair

**Page:** 237

**Description of Change:**
Géza von Molnár (PhD Stanford)
Professor and Chair

**New text:**
Géza von Molnár (PhD Stanford)
Professor
Kerstin Behnke (MA Illinois)
Assistant Professor

New text:
Kerstin Behnke (PhD Stanford)
Assistant Professor

Page: 237

Stefanie Harris (PhD Emory)
Assistant Professor

New text:
Stefanie Harris (PhD Emory)
Assistant Professor

Page: 237

John Paluch (MA Illinois at Chicago)
Lecturer

New text:
John Paluch (MA Illinois at Chicago)
Lecturer

Page: 237

Ingrid Zeller (MA Columbia)
Lecturer

New text:
Ingrid Zeller (MA Columbia)
Lecturer

Page: 237

John A. McCumber (PhD Toronto)
Professor; also Philosophy

New text:
John A. McCumber (PhD Toronto)
Professor and Chair; also Philosophy

**Page:** 237

**Description of Change:**

**New text:**
Joachim Kersten (Dr.soz.habil Konstanz)
Visiting Professor, DAAD; also Political Science

**Page:** 237

**Description of Change:**

**New text:**
Stefan Soldovieri (PhD Wisconsin)
Lecturer
Philosophy

**Page:** 239

**Description of Change:**
change in status for Richard Kraut

**New text:**
Professor; also Classics

**Page:** 240

**Description of Change:**
change in status David L. Hull

**New text:**
Emeritus Professor
**Description of Change:**
add new faculty member

**New text:**
Terry Pinkard (PhD SUNY at Stony Brook)
Professor

**Page:** 240

**Description of Change:**
change in status for Kenneth R. Seeskin

**New text:**
Professor and Chair

**Page:** 240

**Description of Change:**
delete faculty member Meredith Williams

**New text:**
delete

**Page:** 240

**Description of Change:**
delete faculty member Michael J. Williams

**New text:**
delete

School of Speech

Performance Studies

**Page:** 256

**Description of Change:**

**New text:**
E. Patrick Johnson (PhD Louisiana State University)
Assistant Professor;

Mary Zimmerman (PhD Northwestern)
Professor
Theatre

Page: 256

Description of Change:
Delete the following

New text:
Juanita Lopez
Lecturer