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# CURRICULUM

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USE OF THIS BULLETIN: Proposals presented in this bulletin are subject to University-wide review. If you are concerned with anything herein enclosed, please contact the University Curriculum Office, Admin. 412, Extension 1-3913, during the two-week waiting period. Concerns raised after two weeks will be referred to the Faculty Senate or appropriate Council. Forms for the submission of curricular materials are available from the above office. All formal submissions should be routed through the appropriate dean or director. Final day for voicing concerns on the following curricular matters is October 1, 1990.

## **I. NOTICE (for approval)**

Media Arts (MA): The Department of Media Arts, with the approval of the Faculty of Fine Arts, proposes to establish a major in media arts for the Master of Arts degree. The proposed major will fill a substantive need in the discipline by integrating theory, criticism, and history in film, television, and video studies on the master's degree level. A minimum of 31 units and a master's report to be presented at departmental colloquia will be required. Eleven new permanent courses will be established. Need for the program is demonstrated by the steady growth of enrollment in the cinema emphasis within the drama major for the M.A. degree, the precursor of the proposed program. During the next five years, it is anticipated that approximately 120 students will enroll in the proposed program. Ten faculty currently support the program; two new faculty positions will be required during the first five years. The proposed program is not presently offered at any institution in the state; related programs in journalism and communication stress print media and social effects rather than critical and historical media studies. Graduates of the proposed program will be prepared for a doctoral program or a career in media arts at art museums, media arts centers, community colleges, university presses and journals, and in private industry. The proposal was approved by the Graduate Council on April 20, 1990.

## **II. CORRECTIONS (for information) See appropriate department, committee, faculty or college.**

### III. NEW COURSES & COURSE DELETIONS (for approval)

#### AEROSPACE & MECHANICAL ENGINEERING (AME)

543. NEW COURSE: "Radiative Heat Transfer (3) I Fundamentals of radiative heat transfer; radiative properties of materials; gray-body and spectral exchange between surfaces; participating media; radiation combined with conduction and convection. P, 442." Eff. II 90-91.

#### ANTHROPOLOGY (ANTH)

320. NEW COURSE: "Evolution of the Earliest States (3) I 1991-92 Intensive introduction to the evolution of the world's earliest states: Mesopotamia, Egypt, Indus, China, Peru, Maya, Mexico. Comparative topics include urbanism, elites, economics, literacy and collapse. P, 101, 110, or consult department before enrolling." Eff. I 91-92.
489. DELETE: "Anthropology and Education (3)". Eff. II 90-91.
589. Delete listing.

#### EDUCATION (EDUC/EDA/EDP/HED/LRC/SER/TTE)

##### Education (EDUC)

489. Delete listing.
589. Delete listing.

#### ELECTRICAL & COMPUTER ENGINEERING (ECE)

- 221L. NEW COURSE: "Basic Electronics Laboratory I (1) I II Basic laboratory techniques, experiments illustrating circuits and electronics topics from 220a. P, CR, 220a." Eff. II 90-91.
- 222L. NEW COURSE: "Basic Electronics Laboratory II (1) I II Basic laboratory techniques, experiments illustrating circuits and electronics topics from 220b. P, CR, 220b." Eff. II 90-91.
- 495b. NEW COURSE: Colloquium: "Engineering Practice (4) I II P, 302 or consult department before enrolling. Writing-Emphasis Course. [ P, satisfaction of the upper-division writing proficiency requirement (see "Writing-Emphasis Courses" in the Academic Guidelines section of this catalog.)] Eff. II 90-91.
650. NEW COURSE: "Advanced Analog Circuits (3) II Advanced topics in bipolar and CMOS analog integrated circuits including both switching and nonswitching applications. Voltage references, DAC and ADC systems, instrumentation amplifiers, sample-hold circuits, switched-mode power supply regulators. P, 550." Eff. II 90-91.
675. NEW COURSE: "Fault-Tolerant Digital Systems (3) II Redundancy techniques, fault diagnosis, self-checking networks, software fault tolerance, modeling and evaluation, example system implementations. P, 574." Eff. II 90-91.

#### ENGLISH (ENGL)

- 696e. NEW COURSE: Seminar: "Studies in Rhetoric and Composition (3) [Rpt./4] I II". Eff. II 90-91.

#### GEOSCIENCES (GEOS)

429. NEW COURSE: "Scanning Electron Microscopy (1-2) Introduction to the principles and methods of Scanning Electron Microscopy/Energy Dispersive Spectrometry and Image Analysis for geological/paleontological

samples. Students will have the opportunity to conduct original research in SEM/EDS/IA as a portion of the laboratory. 1R, 3L. May be convened with 529." Eff. II 90-91.

529. NEW COURSE: "Scanning Electron Microscopy (1-2) For a description of course topics, see 429. Graduate-level requirements include a sophisticated research project. 1R, 3L. May be convened with 429." Eff. II 90-91.

#### HISTORY (HIST)

- 495a. NEW COURSE: Colloquium: "Studies in Early Europe (3) [Rpt./1] I II P, one semester of history." Eff. II 90-91.

#### LAW (LAW)

676. NEW COURSE: "Advanced Legal Writing (2) I II". Eff. I 90-91.
- 696z. NEW COURSE: "AIDS and the Law (3) I II". Eff. I 90-91.

#### RENEWABLE NATURAL RESOURCES ((RNR/LAR/RAM/WSM/WFSC)

##### Renewable Natural Resources (RNR)

316. NEW COURSE: "Natural Resources -- Ecology (4) II Application of principles of plant, animal, and community ecology in management of renewable natural resources. 3R, 3L. Field trips. P, M.C.B. 181, Ecol. 302, R.N.R. 202; CR, S.W. 200, 201." Eff. II 90-91.

### IV. COURSE & CATALOG CHANGES (for information)

#### AGRICULTURAL ECONOMICS (AEC)

544. Change number of units to "(3)". Eff. II 90-91.

#### ANATOMY (ANAT)

415. Change number of units to "(2-3)". Eff. I 90-91.
515. Change number of units to "(2-3)". Eff. I 90-91.

#### ANTHROPOLOGY (ANTH)

401. Change prerequisites to "P, N.E.S. 171, Anth. 101, 110, or consult department before enrolling." Eff. I 90-91.
- 427a. Add prerequisite, "P, 101." Eff. I 91-92.
- 427b. Add prerequisite, "P, 101." Eff. I 91-92.
429. Change prerequisite to "P, 3 units of anthropology." Eff. I 90-91
430. Delete crosslisting: "(Identical with Engl. 430)". Retain crosslisting with A.In.S. Add prerequisite, "P, 200". Eff. II 90-91.
476. Change prerequisites to "P, 102, Ling. 101 or Anth. 276." Eff. I 90-91.
477. Change prerequisites to "P, 102, Ling. 101 or Anth. 276." Eff. I 90-91.
544. Change number of units to "(3)". Eff. II 90-91.

#### CIVIL ENGINEERING (CE/EM)

##### Civil Engineering (CE)

560. Change course number to "561". Change crosslisting to read: "(Identical with H.W.R. 561)". Eff. I 91-92.
561. Course number changed from "560". Change crosslisting to read: "(Identical with H.W.R. 561)". Eff. I 91-92.

EDUCATION (EDUC/EDA/EDP/HED/LRC/SER/TTE)

Teaching and Teacher Education (TTE)

- 597j. (1) Course expansion to "497j/597j". Eff. Summer 1990.  
(2) Course contraction to "597j". Eff. I 90-91.

ENGLISH (ENGL)

430. Delete listing.

FINANCE & REAL ESTATE (FIN)

- 695a. Change number of units to "(1-3)". Eff. II 90-91.

HYDROLOGY & WATER RESOURCES [Note: Prefixes "HYDR" and "WRA" to be replaced by single prefix "HWR", eff. I 91-92.]

560. Change course number and prefix to "HWR 561". Eff. I 91-92.  
561. Course number and prefix change from "WRA 560". Eff. I 91-92.

LINGUISTICS (LING)

Page 180 of the General Catalog, under paragraph beginning with "Sociolinguistics/Applied Linguistics": Change "420" to "320". Eff. II 90-91.

403. Add prerequisite, "P, 101, 300." Eff. II 90-91.  
410. Add prerequisite, "P, 101, 315." Eff. II 90-91.  
430. Change prerequisite to "P, 101 or consult department before enrolling."  
455a-455b. Add prerequisite, "P, 101." Eff. II 90-91.

MATERIALS SCIENCE & ENGINEERING (MSE)

- 360R. Change number of units to "(4)". Eff. II 90-91.

PHARMACOLOGY & TOXICOLOGY (PHCL/TOX)

Toxicology (TOX)

601. Change number of units to "(2-4)". Change prerequisites to "P, Chem. 325, 326." Eff. I 90-91.

TEACHING & TEACHER EDUCATION See EDUCATION.