

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo, California 93407
ACADEMIC SENATE

FILE COPY
ORIGINAL

Meeting of the
Academic Senate Executive Committee
Tuesday, January 6, 1998
UU220, 3:00-5:00pm

- I. Minutes: Approval of the Academic Senate Executive Committee minutes for the October 14 and November 4, 1997 meetings (pp. 2-6).
- II. Communication(s) and announcement(s):
- III. Reports:
 - A. Academic Senate Chair:
 - B. President's Office:
 - C. Provost's Office:
 - D. Statewide senators:
 - E. CFA campus president:
 - F. Staff Council representative:
 - G. ASI representatives:
 - H. Other:
- IV. Consent agenda:
 - A. **Curriculum proposals:** Keesey, chair of the Curriculum Committee: The following course additions, deletions, and changes have been approved by the Curriculum Committee for the 1998 catalog with the exception of the 11 numbered-and-circled courses indicated in the left-hand margin. These 11 courses appear as Business item C below (pp. 7-56).
 - B. **Courses proposed for U.S. Cultural Pluralism requirement:** Keesey, chair of the Curriculum Committee (p. 57).
 - C. **Courses proposed for General Education & Breadth:** Keesey, chair of the Curriculum Committee (pp. 58-60).
- V. Business item(s):
 - A. **Academic Senate/university-wide committee vacancies:** (p. 65).
 - B. **Committee selection procedures for the position of Vice Provost for Academic Programs.**
 - C. **1998 Catalog Proposals Approved Pending/Disapproved:** Keesey, chair of the Curriculum Committee: Courses in this section were not recommended for approval by the Curriculum Committee and are included here for general discussion (pp. 61-62).
 - D. **Summary of Program Proposals 1998 Catalog:** Keesey, chair of the Curriculum Committee: Program recommendations in this section are substantial and included here for general discussion (pp. 63-64).
- VI. Discussion item(s):

Catalog rights: Keesey, chair of the Curriculum Committee: The Curriculum Committee has recommended that Cal Poly return to the old system under which students could choose any interim catalog, not just the matriculation or graduation catalogs.
- VII. Adjournment:

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

NEW COURSES

AG 439 Internship in Integrated Ranch Operations (6-12) supv, cr/nc, max 18 units

AGB 202 Communication Leadership and Management Skills for Agribusiness (4) 4 lec

AGED 460 Research Methodology in Agricultural Education and Communication (1) 1 lec

ASCI 212 Livestock Show Management (2) 2 act, max 4 units

ASCI 214 Equine Management (2) 2 lab, mcf from x214

ASCI 324 Advanced Equine Evaluation (2) 2 lab

New Course Prefix: BRAE Bioresource and Agricultural Engineering

BRAE 239 Engineering Surveying (4) 2 lec 2 lab

BRAE 247 Forest Surveying (2) 1 lec 1 lab (crosslisted as FNR 247)

BRAE 335 Internal Combustion Engines (4) 2 lec 2 lab

BRAE 460 Senior Project Organization (1) 1 lec

CRSC 444 Precision Farming (4) 3 lec 1 lab, (new mcf)

DSCI 333 Dairy Cattle Management, Safety and Animal Well-Being (4) 3 lec 1 act (replacing DSCI 250)

DSCI 350 Dairy Industry Communications (2) 2 act, max repeatable: 8 units

DSCI 444 Dairy Microbiology (4) 2 lec 2 lab crosslist with BACT 422? note to depts regarding course #

FNR 247 Forest Surveying (2) 1 lec 1 lab (crosslisted as BRAE 247)

FNR 335 Human Resources and Conflict Management in Natural Resources (4) 3 lec 1 lab

(2) **FNR 412 Forest and Natural Resources Senior Assessment Project (4) 2 lec 2 lab

**Curriculum Committee: APPROVED PENDING answers to further questions regarding
Swanton Ranch****

FNR 435 Natural Resources Policy Analysis (4) 3 lec 1 lab

FNR 465 Ecosystem Management (4) 3 lec 1 lab mcf (mcf from a changed FNR 418)

FNR 472 Leadership Practice (1) 1 lab (crosslisted with REC 472)

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

NEW COURSES (continued)

FSN 204 Food Processing Operations (4) 3 lec 1 lab (replacing FSN 301 and FSN 302)

FSN 325 Food Quality Control (5) 4 lec 1 lab mcf (replacing FSN 332 and FSN 333, which had mcf)

FSN 354 Packaging Function in Food Processing (3) 3 lec

FSN 364 Food Chemistry (4) 3 lec 1 lab

FSN 384 Processed Meat and Poultry Products (4) 3 lec 1 lab mcf (replacing FSN 338 (mcf) and FSN 431)

FSN 455 Product Development and Sensory Evaluation (5) 3 lec 2 act mcf (replacing FSN 407 (mcf) and FSN 409)

FSN 494 Food Engineering (4) 3 lec 1 lab

REC 127 Cross Cultural Dimensions of Leisure (4) 4 lec (replacing REC 327) not approved for USCP

REC 203 Resource Law Enforcement (3) 3 lec; crosslisted with FNR 203

REC 305 Recreation Areas and Facilities Management (4) 3 lec 1 lab

REC 311 Environmental Interpretation (4) 3 lec 1 lab (crosslisted with FNR 311)

REC 313 Issues in Natural Resources Tourism (4) 3 lec 1 lab

REC 405 Management and Leadership for Recreation Administration (4) 4 lec

REC 410 Resource Recreation Management (4) 3 lec 1 lab (crosslisted with FNR 410)

REC 417 Resource Recreation Planning (3) 2 lec 1 lab (crosslisted with FNR 417)

REC 450 Grant Development and Writing (4) 4 lec

REC 463 Pre-Internship Seminar (1) CR/NC 1 sem

REC 472 Leadership Practice (1) 1 lab (crosslisted as FNR 472)

VS 320 Zoonoses and Veterinary Public Health Concerns (4) 3 lec, 1 act

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

DELETED COURSES

AG 235 Agricultural Power (3) 1 lec 2 lab (replaced by BRAE 335)

AGED 350 Undergraduate Field Experience (1) 1 lec (CR/NC)

AGED 351 Undergraduate Field Experience (1) supv (CR/NC)

AE 399 Graphic Interface Computing in Agriculture (1) 1 lab

AE 450 Advanced Graphical Interface Computing (1) 1 lab

ASCI 331 Applied Range Management Practices (2) 1 lec 1 act

DSCI 250 Dairy Farm Safety and Production Practices (3) 2 lec 1 act (replaced by DSCI 333)

DSCI 323 Breeds, Fitting and Showing, and Management of Dairy Cattle (3) 2 lec 1 lab

DSCI 332 Dairy Inspection (3) 2 lec 1 lab

DSCI 450 Dairy Biotechnology (3) 2 lec 1 act

FNR 302 Natural Resources Policy (3) 2 lec 1 lab (replaced by FNR 335 and 435)

FNR 316 Growth and Yield (3) 2 lec 1 lab

FNR 332 Forest Products (4) 3 lec 1 lab

FNR 345 Chaparral Management (3) 2 lec 1 lab mcf (mcf to FNR 360) (see changes, FNR 305, FNR 250)

FNR 406 Natural Resources Administration (2) 2 lec (replaced by FNR 335)

FNR 409 Coastal Resource Management (3) 2 sem 1 lab

FNR 438 Wood Energy and Residue Utilization (2) 1 lec 1 lab (see changes, FNR 434)

FNR 506 World Forestry in Social Context (2) 2 lec

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

DELETED COURSES (continued)

FSN 301 Unit Processing Operations I (replaced by FSN 204)

FSN 302 Unit Processing Operations II (replaced by FSN 204)

FSN 332 Statistical Quality Control (replaced by FSN 325)

FSN 333 Quality Assurance in Food Industries mcf (replaced by FSN 325)

FSN 338 Further Processing of Muscle Foods mcf (replaced by FSN 384)

FSN 431 Advanced Muscle Food Science (replaced by FSN 384)

FSN 407 Food Composition Science mcf (replaced by FSN 455)

FSN 409 Sensory Evaluation of Food (replaced by FSN 455)

OH 302 Wholesale Marketing Systems for Ornamental Horticulture Crops and Services (3)

2 lec 1 act mcf

REC 105 Recreation Leadership (3) 2 lec 1 lab mcf

REC 327 Human Dimension of Leisure (3) 3 lec (x-listed PSY 327 which is also being deleted); replaced
by REC 127

REC 462 Senior Project Part II (2) supv

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

CHANGED COURSES

Change all AE courses to BRAE; and see specific changes below

Change all ASM courses to BRAE; and see specific changes below

AE/ASM 339 Internship in Agricultural Engineering (1-12) cr/nc to BRAE 339 Internship in Bioresource and Agricultural Engineering

AE 446 Geographic Information Data Sources (2) 1 lec 1 lab to BRAE 446 CAD Software for Land Modeling

AE 462 Senior Project (3) supv to BRAE 462 (2)

AE/ASM 485 Coop. Educ. Exp. in Ag Engr (6) cr/nc to BRAE 485 Coop Educ Exp in Bioresource and Agricultural Engineering

AE/ASM 495 Coop Educ Exp in Ag Engr (12) cr/nc to BRAE 495 Coop Educ Exp in Bioresource and Agricultural Engineering

AE/ASM 570 Selected Topics in Ag Engr (1-3) 1-3 sem to BRAE 570 Selected Topics in Bioresource and Agricultural Engineering

AE/ASM 571 Selected Advanced Laboratory in Ag Engr (1-3) 1-3 lab to BRAE 571 Selected Advanced Laboratory in Bioresource and Agricultural Engineering

AG 124 Small Engines (2) 1 lec 1 act to BRAE 124

AG 201 Closed Circuit Hydraulics (3) 2 lec 1 lab to BRAE 201

AG 231 Agricultural Building Construction (3) 1 lec 2 lab to BRAE 231

AG 234 Agricultural Power Transmission and Mechanics (3) 2 lec 1 lab to BRAE 233

AG 241 Gasoline Engine Diagnosis (3) 2 lec 1 lab to BRAE 241

AG 242 Diesel Fuel Systems (3) 2 lec 1 lab to BRAE 242

AG 244 Project Analysis (5) 3 lec 2 lab to BRAE 244

AG 245 Agricultural Equipment Projects (3) 1 lec 2 lab to BRAE 245

AG 301 Agriculture and American Life (3) 3 lec (F.2.) to (4) 4 lec

COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES

CHANGED COURSES (continued)

- AGB 101 Introduction to Agribusiness and Agricultural Economics (4) 4 lec to Introduction to Agribusiness
- AGB 212 Agricultural Economics (3) 3 lec to (4) 4 lec
- AGB 301 Agricultural Marketing (3) 3 lec to Food and Fiber Marketing (4) 4 lec
- AGB 310 Agribusiness Credit and Finance (3) 3 lec to (4) 4 lec
- AGB 312 Agricultural Policy (3) 3 lec to (4) 4 lec
- AGB 314 Fair Management (3) 3 lec to Fair and Fair Facility Management (4) 4 lec
- AGB 315 Land Economics (3) 3 lec to (4) 4 lec
- AGB 317 Agriculture-Consumer Relationships (3) 3 lec to (2) 2 sem
- AGB 318 Agricultural Trade Policies (3) 3 lec to International Trade and Agriculture (4) 4 lec
- AGB 360 Agribusiness Research Methods (3) 3 lec to Agribusiness Information Technology (4) 4 lec
- AGB 418 U.S. and Asia Pacific Agricultural Trade (3) 3 lec to Seminar in U.S./World Agricultural Trade Issues (2) 2 sem
- AGB 421 Agribusiness Operations Analysis (4) 3 lec 1 act to 4 lec
- AGB 427 Agricultural Estate Planning (3) 3 lec to (2) 2 sem
- AGB 435 Linear Programming in Agriculture (3) 2 lec 1 act to (4) 4 lec
- AGB 456 Crop Management Problems (4) 3 lec 1 act to 4 lec
- AGB 457 Livestock Management Problems (4) 3 lec 1 act to 4 lec
- AGB 458 Dairy Management Problems (4) 3 lec 1 act to 4 lec
- AGED 404 Agricultural Leadership (2) 2 act to (3) 2 lec 1 act
- AGED 426 Presentation Methods (3) 3 act to Presentation Methods in Agricultural Communication
- AGED 461 Senior Project (3) 1 lec, supv to (2) 1 lec, supv
- CRSC 402 Enterprise Project (2-4) (CR/NC) 1 lec, variable practicum to Enterprise Project Management
- CRSC 422 Tropical Crop, Fruit and Nut Production (4) (also listed as FRSC 422) 3 lec 1 lab to Tropical and Subtropical Crop and Fruit Production (new MCF requested)

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

DSCI 202 Dairy Product Marketing Programs (3) 2 lec 1 act to Dairy Promotion and Marketing (4) 4 lec

DSCI 223 Frozen Dairy Foods (3) 2 lec 1 lab to (4) 3 lec 1 lab

DSCI 233 Milk Processing and Marketing (4) 3 lec 1 lab to Milk Processing and Inspection

DSCI 234 Dairy Foods Evaluation (3) 1 lec 2 act to (2) 1 lec 1 lab

DSCI 241 Dairy Cattle Selection (3) 1 lec 2 act to Dairy Cattle Selection, Breeds, Fitting and Showing
(4) 2 lec 2 act

DSCI 301 Advanced Dairy Cattle Feeding (3) 2 lec 1 act to Dairy Cattle Nutrition (4) 3 lec 1 act

DSCI 321 Lactation Physiology (3) 3 lec to (4) 4 lec

DSCI 330 Artificial Insemination (3) 2 lec 1 lab to Artificial Insemination and Embryo Biotechnology (4) 3 lec
1 lab

DSCI 401 Physical and Chemical Properties of Dairy Products (3) 2 lec 1 lab to (4) 3 lec 1 lab

DSCI 402 Quality Assurance and Control of Dairy Products (3) 2 lec 1 lab to (4) 3 lec 1 lab

DSCI 422 Breeding and Selection of Dairy Cattle (4) 3 lec 1 lab to Breeding and Genetics of Dairy Cattle

DSCI 433 Dairy Plant Management and Equipment (3) 3 lec to (4) 3 lec 1 lab

DSCI 434 Cheese and Fermented Dairy Foods (5) 4 lec 1 lab to (4) 3 lec 1 lab

DSCI 435 Concentration/Fractionation and Butter Technology (5) 4 lec 1 lab to (4) 3 lec 1 lab

DSCI 522 Bioseparation Processes in Dairy Product Technology (3) 2 lec 1 lab to (4) 3 lec 1 lab

DSCI 581 Graduate Seminar in Dairy Science (3) 3 sem to (1-3) 1-3 sem

FNR 201 Forest Resources (3) 3 lec (F.2.) to Introduction to Forest Ecosystem Management

FNR 203 Resource Law Enforcement (3) 3 lec: crosslisted as REC 203

FNR 204 Resource Fire Control (2) 1 lec 1 lab mcf to (3) 2 lec 1 lab mcf

FNR 250 Survey and Management of Mediterranean Ecosystems (2) 2 lec to FNR 360 (4) 3 lec 1 lab mcf
(mcf from FNR 345; delete FNR 345 (3); see FNR 305)

FNR 303 Forest Protection (5) 4 lec 1 lab to FNR 402 Forest Health (4) 3 lec 1 lab

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

- FNR 304 Ecology of Resource Areas (4) 3 lec 1 lab to FNR 306 Natural Resource Ecology and Habitat Management
- FNR 305 Forest Harvesting (3) 3 lec mcf to FNR 260 Forest Harvesting and Utilization (3) 2 lec 1 lab mcf (& delete FNR 345; see FNR 250)
- FNR 311 Environmental Interpretation (4) 3 lec 1 lab: crosslisted as REC 311
- FNR 314 Forest Mensuration (5) 3 lec 2 lab mcf to FNR 315 Forest Mensuration and Sampling (4) 3 lec 1 lab mcf
- FNR 318 Applications of GIS in Natural Resources (2) 2 lab (Also listed as LA 318), mcf to (3) 1 lec 2 lab
- FNR 325 Woodlot and Christmas Tree Management (3) 2 lec 1 lab and FNR 333 Hardwood Management (3) 2 lec 1 lab to FNR 355 Hardwood and Woodlot Management (4) 3 lec 1 lab
- FNR 342 Fire Ecology (3) 2 lec 1 lab to FNR 307
- FNR 401 Natural Resource Economics (3) 2 lec 1 lab and FNR 415 Forest and Natural Resources Valuation (3) 2 lec 1 lab to FNR 326 Natural Resources Economics and Valuation (4) 3 lec 1 lab
- FNR 403 Environmental Impact Analysis (3) 2 lec 1 lab mcf to FNR 416 Environmental Impact Analysis and Management (4) 3 lec 1 lab mcf
- FNR 407 Silviculture and Vegetation Management (4) 3 lec 1 lab mcf to FNR 365 Silviculture and Vegetation Management (3) 2 lec 1 lab mcf
- FNR 410 Resource Recreation Management (4) 3 lec 1 lab: crosslisted as REC 410
- FNR 417 Resource Recreation Planning (3) 2 lec 1 lab: crosslisted as REC 417
- FNR 418 Integrated Forest Resources Management (4) 3 lec 1 lab mcf to FNR 414 Timber Management, mcf
- FNR 440 Watershed Management (3) 2 lec 1 lab to FNR 419 Watershed Management (4) 3 lec 1 lab
- FNR 441 Forest and Range Hydrology Forest and Range Hydrology (3) 2 lec 1 lab and FNR 442 Watershed Protection (2) 1 lec 1 lab to FNR 420 Advanced Watershed Hydrology (4) 3 lec 1 lab
- FNR 434 Tree Growth and Wood Properties (2) 1 lec 1 lab to Wood Properties and Products (5) 3 lec 2 lab (& delete FNR 438 (2))

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

- FRSC 402 Enterprise Project (2-4) (CR/NC) 1 lec, variable practicum to Enterprise Project Management
- FRSC 422 Tropical Crop, Fruit and Nut Production (4) (also listed as CRSC 422) 3 lec 1 lab to Tropical and Subtropical Crop and Fruit Production
- FSN 101 Orientation to Food Science and Nutrition (1) 1 lec (CR/NC) to Orientation to Nutritional Science
- FSN 170 Introductory Food Science (4) 3 lec 1 lab mcf to FSN 125 Introduction to Food Science (5) 4 lec 1 lab mcf
- FSN 209 Procurement and Use of Muscle Foods (3) 2 lec 1 lab to Animal Food Products
- FSN 211 Muscle Food Science (3) 2 lec 1 lab to Meats
- FSN 217 Fundamentals of Food Processing Operations (4) 3 lec 1 lab to FSN 154 Basic Calculations in Food Processing
- FSN 331 Principles of Food Plant Sanitation (3) 3 lec to FSN 274 Food Plant Sanitation and Safety (4) 4 lec
- FSN 336 Food Packaging (3) 3 lec to FSN 334
- FSN 339 Cereal Science and Processing (3) 3 lec to FSN 244 Cereal and Bakery Science (4) 3 lec 1 lab, new request for mcf
- FSN 415 Methods of Teaching Nutrition (3) 2 lec 1 act to Nutrition Education and Communications (4) 3 lec 1 lab
- FSN 416 Community Nutrition (3) 3 lec to (4) 4 lec
- FSN 429, 430 Diet Therapy I, II (3)(3) 2 lec, 1 lab each to Clinical Nutrition I, II (4) (4) 3 lec 1 lab each
- FSN 435 Food Engineering (4) 4 lec to FSN 444 Engineering Concepts in Food Processing
- FSN 436 Food Laws and Regulations (3) 3 lec to FSN 374 Food Laws and Regulations (4) 4 lec
- FSN 437 Advanced Food Processing (4) 3 lec 1 lab mcf to FSN 474 mcf
- FSN 439 Food Analysis (4) 3 lec 1 lab to FSN 434
- FSN 461, 462 Senior Project (3)(3) supv to (2-3)(2-3) 120 hours for Nutritional Science majors, 180 hours for Food Science majors

**COLLEGE OF AGRICULTURE
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

OH 126 Environmental Horticulture Construction (2) 1 lec 1 lab to 2 lab

OH 230 Ornamental Gardening (3) 2 lec 1 lab (F.2.) to Environmental Horticulture (4) 3 lec 1 lab

OH 301 Principles of Landscape Horticulture (3) 1 lec 2 lab mcf to Principles of Landscape Design (4) 2
lec 2 lab no mcf

OH 315 Advanced Plant Materials (3) 3 lec mcf to (4) 4 lec mcf

OH 325 Floriculture Grades and Standards (3) 1 lec 2 lab to 1 act 2 lab

OH 381 Native Plants for California Landscape (3) 2 lec 1 lab to (4) 3 lec 1 lab

OH 422 Advanced Arboriculture (2) 1 lec 1 lab to 2 act

OH 434 Landscape Management (3) 2 lec 1 lab mcf to (4) 3 lec 1 lab mcf

REC 101 Introduction to Recreation and Leisure Services (3) 3 lec to Introduction to Recreation, Parks
and Tourism, mcf

REC 252 Leisure and Special Populations (3) 3 lec to Recreation and Special Populations (4) 3 lec 1 act

REC 302 Environmental Education (3) 2 lec 1 act to Environmental and Wilderness Education (4) 3 lec 1
act

REC 310 Program Administration in Leisure Services (4) 4 lec to REC 360 Assessment and Evaluation
of Recreation Parks and Tourism 3 lec 1 lab

REC 324 Legal and Managerial Patterns in Recreation Administration (3) 3 lec to Legal and Legislative
Patterns in Recreation Administration (4) 3 lec 1 lab

REC 424 Financing Recreation and Leisure Services (4) 3 lec 1 lab to Financing Recreation
Services 4 lec

REC 460 Research in Recreation Administration (4) 4 sem to Research in Recreation, Parks and Tourism

REC 464 Organization and Development of Commercial Leisure Services (4) 3 lec 1 lab to REC 414

VGSC 402 Enterprise Project (2-4) (CR/NC) 1 lec, variable practicum to Enterprise Project Management

COLLEGE OF ARCHITECTURE & ENVIRONMENTAL DESIGN
1998 CATALOG COURSE CHANGES

NEW COURSES

ARCH 363 Off-Campus Orientation Seminar (2) 2 sem (CR/NC) max 4 units, 2 per quarter

(3)

****ARCH 462 Topics in Architectural Practice (2) 2 sem, max 6 units**

Curriculum Committee: DISAPPROVED must be at least 4 units**

ARCH 464 Computer Applications in Design (3) 3 lec, max 12 units

ARCH 465 Design Related Media (3) 3 lec, max 12 units

ARCH 466 Topics in Architectural History and Theory (3) 3 lec, max 12 units

ARCH 467 Undergraduate Research (3) 3 lec, max 12 units

ARCH 468 Advanced Environmental Building Systems (3) 3 lec

ARCH 469 Topics in Design Methods (3) 3 lec, max 12 units

(4)

****ARCH 472 Housing Design Concepts (3) 3 lec, max 6 units**

Curriculum Committee: DISAPPROVED must be at least 4 units**

(5)

****ARCH 521 Graduate Architectural Design Project (5) 5 lab, max 15 units, mcf**

Curriculum Committee: APPROVED PENDING the retention of ARCH 481 which will be taught simultaneously with ARCH 521.**

(6)

****ARCH 592 Senior Design Thesis (3) 3 sem**

Curriculum Committee: APPROVED PENDING the retention of ARCH 492 which will be taught simultaneously with ARCH 592**

CRP 215 Planning for Multiple Publics (4) 4 lec

(7)

****EDES 406 Sustainable Environments (3) 3 lec****

Curriculum Committee: DISAPPROVED must be at least 4 units**

LA 401 Research Project (1) 1 sem CR/NC *(Note: approved for 1 year only with the understanding that it will be incorporated into a 4-unit course for 1999)*

**COLLEGE OF ARCHITECTURE & ENVIRONMENTAL DESIGN
1998 CATALOG COURSE CHANGES**

DELETED COURSES

ARCE 224 Mechanics of Structural Members Laboratory (1) 1 lab (becomes part of ARCE 223)

ARCH 312 Home and Community Design (3) 3 lec GEB F.2.

ARCH 447 Design Regulations (3) 3 lec, crosslisted with CRP 447

⑧ ****ARCH 481 Senior Architectural Design Project (5) 5 lab mcf:**
Curriculum Committee: **DISAPPROVED**. Undergraduates cannot be required to take graduate courses. ARCH 481 will be taught simultaneously with ARCH 521**

⑨ ****ARCH 492 Senior Design Thesis (3) 3 sem:**
Curriculum Committee: **DISAPPROVED**. Undergraduates cannot be required to take graduate courses. ARCH 492 will be taught simultaneously with ARCH 592**

COLLEGE OF ARCHITECTURE & ENVIRONMENTAL DESIGN
1998 CATALOG COURSE CHANGES

CHANGED COURSES

ARCE 223 Mechanics of Structural Members II (3) 3 lec to (4) 3 lec 1 lab

ARCE 226 Structural Systems (3) 3 lec to Structural Systems for Architects

(10) **ARCE 325 Dynamics (4) 4 lec to (3) 3 lec

Curriculum Committee: APPROVED PENDING change to 200-level course**

ARCE 412 Dynamics of Framed Structures (3) 3 lec to (2) 2 lec *(Note: approved for 1 year only with the understanding that it will be incorporated into a 4-unit course for 1999)*

ARCH 357 Computer Graphics in Architecture (4) 2 lec 2 lab mcf to ARCH 457

CRP 402 History of Urban Design (3) 3 lec to History of Urban Design in North America (4) 4 lec

EDES 408 Sustainable Architecture (3) 3 lec to Implementing Sustainable Principles

LA 311 History of Landscape Architecture (3) 3 lec (F.2.) to (4) 4 lec

LA 318 Applications of GIS in Natural Resources (2) 2 lab (Also listed as FNR 318) , mcf to (3) 1 lec 2 lab

LA 323 History of Twentieth Century Landscape Architecture (3) 3 lec to (4) 4 lec

**COLLEGE OF BUSINESS
1998 CATALOG COURSE CHANGES**

NEW COURSES

None

DELETED COURSES

ACTG 302 Microcomputer Applications in Accounting

FIN 330 Real Estate Principles

CHANGED COURSES

ACTG 500, BUS 500 and MGT 500 to GSB 500 Independent Study (1-4)

ACTG, FIN, MGT, MKTG, MIS courses to BUS prefixes (see chart)

CURRENT #	TITLE	NEW #	COMMENTS
ACTG 211	FINANCIAL ACTG - NONBUS MAJORS	BUS 212	
ACTG 224	FINANCIAL ACCOUNTING	BUS 214	
ACTG 225	MANAGERIAL ACCOUNTING	BUS 215	
ACTG 302	MICROCOMPUTER APPLICATIONS	BUS 312	<i>Course Deleted</i>
ACTG 304	TAX ACCOUNTING	BUS 314	
ACTG 321,322,323	INTERMEDIATE ACCOUNTING I, II,III	BUS 321,322,323	
ACTG 400	SPECIAL PROBLEMS	BUS 400	INTO EXISTING BUS COURSE
ACTG 402	ADVANCED COST	BUS 412	
ACTG 404	TAX OF PARTNERSHIPS, ESTATES, ETC.	BUS 414	
ACTG 405	CORPORATE TAX	BUS 415	
ACTG 406	VOLUNTEER INCOME TAX ASSISTANCE	BUS 416	
ACTG 421	ACTG FOR BUSINESS COMBINATIONS	BUS 421	
ACTG 422	ACTG FOR GOV'T & NOT FOR PROFITS	BUS 422	
ACTG 423	FINANCIAL REPORTING BY PUBLIC COS.	BUS 423	
ACTG 431	PROFESSIONAL ACCOUNTING	BUS 424	
ACTG 446	AUDITING	BUS 425	
ACTG 447	ADVANCED AUDITING	BUS 426	
ACTG 453	INTERNATIONAL ACTG	BUS 427	
ACTG 461, 462	SENIOR PROJECT-ACTG	BUS 461,462	
ACTG 470	SELECTED ADVANCE TOPICS	BUS 470	INTO EXISTING BUS COURSE
ACTG 489	ACTG POLICY	BUS 428	
ACTG 500	INDIVIDUAL STUDY	GSB 500	TO BE DETERMINED
BUS 100	STUDY SKILLS	BUS 100	
BUS 101	THE BUSINESS ENTERPRISE	BUS 101	
BUS 200	SPECIAL PROBLEMS	BUS 200	# UNIVERSITY ASSIGNED
BUS 201	BUSINESS LAW SURVEY	BUS 201	
BUS 207	BUSINESS LAW	BUS 207	
BUS 308	BUSINESS LAW II	BUS 308	

BUS 400	SPECIAL PROBLEMS	BUS 400	#UNIVERSITY ASSIGNED
BUS 404	GOV'T AND SOCIAL INFLUENCES	BUS 404	
BUS 411	LEGAL ASPECTS TECHNOLOGY	BUS 411	
BUS 430	INTERNSHIP	BUS 430	# UNIVERSITY ASSIGNED
BUS 461,462	SENIOR PROJECT	BUS 461,462	# UNIVERSITY ASSIGNED
BUS 470	SELECTED ADVANCE TOPICS	BUS 470	# UNIVERSITY ASSIGNED
BUS 485	COOPERATIVE EDUCATION PART-TIME	BUS 485	# UNIVERSITY ASSIGNED
BUS 490	LEGAL ENVIRONMENT INTERNATIONAL	BUS 410	
BUS 495	COOPERATIVE EDUCATION FULL-TIME	BUS 495	# UNIVERSITY ASSIGNED
BUS 500	INDEPENDENT STUDY	GSB 500	TO BE DETERMINED
FIN 330	REAL ESTATE PRINCIPLES	BUS 331	COURSE DELETED.
FIN 342	FINANCIAL MANAGEMENT	BUS 342	
FIN 411	SECURITY ANALYSIS	BUS 431	
FIN 412	LAW OF REAL PROPERTY	BUS 409	
FIN 430	INTERNATIONAL FINANCE	BUS 433	
FIN 432	REAL ESTATE FINANCE	BUS 434	
FIN 434	REAL ESTATE INVESTMENT	BUS 435	
FIN 440	COMMERICAL BANK MANAGEMENT	BUS 440	
FIN 466	COMPUTER APPLICATIONS	BUS 441	
FIN 480	ADVANCED SEMINAR	BUS 442	
FIN 489	CASE STUDIES IN FINANCE	BUS 443	
MGT 118	INTRO TO HUMAN RELATIONS	BUS 178	
MGT 200	SPECIAL PROBLEMS	BUS 200	INTO EXISTING BUS COURSE
MGT 201	PRINCIPLES OF MGT	BUS 271	
MGT 206	PRINICPLES OF PURCHASING	BUS 276	
MGT 301	POM	BUS 371	
MGT 311	INDUSTRIAL MGT	BUS 381	
MGT 312	ORG AND MGT THEORY	BUS 382	
MGT 313	INDUSTRIAL RELATIONS	BUS 383	

MGT 314	HUMAN RESOURCE MGT	BUS 384	
MGT 317	ORG BEHAVIOR	BUS 387	
MGT 332	INT, AND CROSS CULTURAL MGT	BUS 302	IB/GSL
MGT 400	SPECIAL PROBLEMS	BUS 400	INTO EXISTING BUS COURSE
MGT 406	INTER INTERNATIONAL BUS OPERATIONS mgt.	BUS 402	IB/GSL
MGT 410	COMPENSATION	BUS 471	
MGT 412	LABOR RELATIONS	BUS 472	
MGT 413	LABOR LAW	BUS 473	
MGT 414	BUS STRATEGY	BUS 401	GSL
MGT 415	STAFFING ADVANCED PERSONNEL MGT	BUS 475	
MGT 416	EMPLOYEE TRAINING & DEVELOPMENT	BUS 476	
MGT 417	ORG DEVELOPMENT	BUS 477	
MGT 418	ORGANIZATION DESIGN	BUS 478	
MGT 430	INTERNSHIP	BUS 430	INTO EXISTING BUS COURSE
MGT 440	SERVICE OPERATIONS MANAGEMENT	BUS 477 481	
MGT 441	OPERATIONS PLANNING AND CONTROL	BUS 480	
MGT 442	PURCHASING AND MATERIALS MGT	BUS 479	
MGT 445	ADVANCED OPERATIONS MGT	BUS 482	
MGT 461,462	SENIOR PROJECT	BUS 461,462	INTO EXISTING BUS COURSE
MGT 470	SELECTED ADVANCE TOPICS	BUS 470	INTO EXISTING BUS COURSE
MGT 475	MGT CONSULTATION	BUS 483	
MGT 487	QUALITY MGT	BUS 487	
MGT 488	SMALL BUS MGT	BUS 488	
MGT 489	ADVANCED INT. MGT	BUS 403	IB/GSL
MGT 500	INDEPENDENT STUDY	GSB 500	TO BE DETERMINED
MIS 321	MGT INFORMATION SYSTEMS	BUS 391	
MIS 412	INFO MGT AND DATABASE	BUS 490	
MIS 418	ADVANCED QUANTITATIVE METHODS	BUS 491	
MIS 419	EXPERT SYSTEMS	BUS 492	

MIS 422	INFORMATION SYSTEMS ANALYSIS	BUS 493	
MIS 425	SMALL BUS INFORMATION SYSTEMS	BUS 494	
MIS 432	SYSTEMS DESIGN AND IMPLEMENTATION	BUS 496	
MIS 435	MUTIMEDIA PRESENTATION SYSTEMS	BUS 497	
MKTG 204	ELEMENTS OF MKTG	BUS 245	
MKTG 301	PRINCIPLES OF MKTG	BUS 346	
MKTG 302	MKTG RESEARCH I	BUS 347	
MKTG 303	BUYER BEHAVIOR	BUS 348	
MKTG 304	SELLING: BUILDING PARTNERSHIPS	BUS 349	
MKTG 401	INTERNATIONAL MKTG	BUS 446	
MKTG 402	MKTG RESEARCH II	BUS 447	
MKTG 404	SERVICE MKTG	BUS 448	
MKTG 405	SALES MGT	BUS 449	
MKTG 408	PROMOTION STRATEGIES	BUS 450	APPROVED AS 400 LEVEL
MKTG 409	PRODUCT MANAGEMENT	BUS 452	
MKTG 412	MKTG LAW	BUS 453	
MKTG 420	DEVELOPING AND...MKTG PLANS	BUS 454	
MKTG 450	DIRECT MKTG	BUS 451	
MKTG 460	MKTG MGT	BUS 455	
MKTG 470	SELECTED ADVANCE TOPICS	BUS 470	INTO EXISTING BUS COURSE

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

NEW COURSES

AERO 442 Preliminary Aircraft Design (4) 2 lec 2 lab

AERO 525 Computational Fluid Dynamics (4) 4 lec (replacing AERO 526 and AERO 527)

CE 201 Strength of Materials (5) 5 lec

CE 482 Conventional Subsurface Exploration (4) 2 lec 2 lab

CE 483 Environmental Geotechnology (4) 4 lec

⑪ ***CPE 100 Computer Engineering Orientation (1) 1 lec CR/NC

**Curriculum Committee: APPROVED PENDING receipt of revised course proposal form
with signatures*****

CSC 100 Computer Science Orientation (2) 2 sem

CSC 109 Accelerated Introduction to Computer Science (5) 4 lec 1 act

CSC 142 Discrete Structures II (4) 4 lec

CSC 300 Professional Responsibilities (4) 4 lec

CSC 366 Database Modeling, Design and Implementation (4) 3 lec 1 lab

CSC 369 Introduction to Distributed Computing (4) 3 lec 1 lab

CSC 435 Introduction to Object Oriented Design Using Graphical User Interfaces (4) 3 lec 1 lab

CSC 474 Computer Animation (4) 3 lec 1 lab, mcf

CSC 475 Multimedia Tool Development (4) 3 lec 1 lab

CSC 508 Software Engineering I (4) 4 sem

CSC 509 Software Engineering II (4) 4 sem, mcf

ENVE 437 Industrial and Hazardous Waste Treatment Technologies (4) 3 lec 1 lab

ENVE 443 Bioenvironmental Engineering I (4) 3 lec 1 lab

MATE 405 Kinetics of Materials (5) 4 lec 1 lab, mcf (replacing MATE 365 (& former MATE 422))

MATE 522 Advanced Ceramics (5) 4 lec 1 sem

ME 406 Mechatronics Design (4) 3 lec 1 lab

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

DELETED COURSES

AERO 406 Hypersonic Flow Theory (3) 3 lec

AERO 418 Fundamentals of Flight Simulation (3) 2 lec 1 lab

AERO 432 Experimental Stress Analysis

AERO 526 Computational Fluid Dynamics I (3) 3 lec (with 527: replaced by AERO 525)

AERO 527 Computational Fluid Dynamics II (3) 2 lec 1 lab (with 526: replaced by AERO 525)

AERO 532 Advanced Composite Structures Analysis and Design

AERO 545 Non-Impulsive Orbit Design

AERO 555 Flying Qualities and Flight Test of Piloted Vehicles

AERO 590 Graduate Seminar

CPE 463 Undergraduate Seminar (1) 1 sem

CSC 112 Pascal Programming (3) 2 lec 1 act

CSC 201 Fortran Programming (3) 3 lec

CSC 207 Basic Programming (3) 3 lec

CSC 219 Linear Programming (3) 3 lec

CSC 221 Assembly Language Programming (4) 3 lec 1 lab

CSC 240 Programming Environments I (3) 3 lec

CSC 331 Numerical Linear Analysis (3) 3 lec

CSC 350 Discrete Dynamic Systems (3) 3 lec

CSC 353 Computer Systems Programming (3) 3 lec (Also listed as CPE 353)

CSC 360 Continuous Dynamic Systems (3) 3 lec

CSC 414 Authoring Languages and Systems (4) 3 lec 1 lab

CSC 415 Microcomputer Systems (4) 3 lec 1 lab (Also listed as CPE 415)

CSC 427 Computer-Based Educational Systems I (4) 3 lec 1 lab

CSC 433 Numerical Analysis III (3) 3 lec (Also listed as MATH 433)

CSC 463 Undergraduate Seminar (2) 2 act cr/nc

MATE 365 Thermodynamics and Kinetics Lab (1) 1 lab

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

CHANGED COURSES

AERO 121 Aerospace Fundamentals (1) 1 lab mcf to (2) 1 lec 1 lab mcf

AERO 210 History of Aviation (3) 3 lec (F.2.) to (4) 4 lec

AERO 215 Aerospace Engineering Analysis I (2) 2 lab to Introduction to Aerospace Design

AERO 303 Aerothermodynamics (3) 3 lec to (5) 5 lec

AERO 306 Aerodynamics I (3) 3 lec to Aerodynamics and Flight Performance (4) 4 lec

AERO 307 Wind Tunnel and Flight Test Laboratory (3) 1 lec 2 lab to (2) 2 lab

AERO 315 Aerospace Engineering Analysis II (3) 3 lec to Aerospace Engineering Analysis (4) 3 lec 1 lab

AERO 320 Fundamentals of Guidance and Control (3) 3 lec to (4) 3 lec 1 lab

AERO 330 Stress Analysis (4) 4 lec to Aerospace Structural Analysis 3 lec 1 lab

AERO 404 Gas Dynamics (3) 3 lec to (4) 4 lec

AERO 405 Aerodynamics II (3) 3 lec to Supersonic and Hypersonic Aerodynamics (4) 4 lec

AERO 407 Reentry Aerodynamics (3) 3 lec to (4) 4 lec

AERO 409 Flight Test (3) 1 lec 2 lab to Flight Test and Simulation (4) 2 lec 2 lab

AERO 416 Principles of Rotary Wing Flight (3) 3 lec to (4) 4 lec

AERO 430 Aerospace Structural Analysis (4) 4 lec to Advanced Composite Structures Analysis and Design, 3 lec 1 lab

AERO 443, 444, 445 Flight Vehicle Design (2) (4) (4), 443: 2 lab; 444 & 445: 2 lec 2 lab to Aircraft Vehicle Design; 443: 2 lec (444 & 445 remain 2 lec 2 lab)

AERO 451 Orbital Mechanics I (3) 3 lec to (4) 4 lec

AERO 452 Orbital Mechanics II (3) 3 lec to (4) 4 lec

AERO 500 Individual Study (1-3) supv to (1-4)

AERO 515 Continuum Mechanics (3) 3 lec to (4) 4 lec

AERO 520 Theoretical Aerodynamics (3) 3 lec to (4) 4 lec

AERO 522 Boundary-Layer Theory (3) 3 lec to (4) 4 lec

AERO 523 Turbulence (3) 3 lec to (4) 4 lec

AERO 530 Inelastic Structural Analysis (3) 3 lec to (4) 3 lec 1 lab

AERO 535 Advanced Aerospace Structural Analysis (3) 3 lec to (4) 3 lec 1 lab

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

AERO 540 Elements of Rocket Propulsion (3) 3 lec to (4) 4 lec

AERO 541 Aircraft Gas Turbine Engines (3) 3 lec to (4) 4 lec

AERO 550 Analysis and Design of Flight Control Systems (3) 2 lec 1 lab to Design of Flight Control Systems (4) 3 lec 1 lab

AERO 551 Advanced Topics in Estimation and Control (3) 2 lec 1 lab to Global Positioning Satellite Navigation Systems (4) 3 lec 1 lab

AERO 565 Advanced Topics in Aircraft Design (3) 3 lec to (4) 4 lec

CE 204 Strength of Materials (3) 3 lec to Strength of Materials I

CE 205 Strength of Materials (2) 2 lec to Strength of Materials II

CE 559 Advanced Structural Design (3) 3 lec to (4) 4 lec

CE 581 Advanced Geotechnical Engineering (3) 1 lec 2 lab to (4) 3 lec 1 lab

CE 582 Advanced Geotechnical Testing (3) 1 lec 2 lab to (4) 2 lec 2 lab

CE 583 Geotechnical Earthquake Engineering (3) 3 lec to (4) 4 lec

CE 584 Lateral Support Systems (3) 3 lec to (4) 4 lec

CE 585 Slope Stability Analysis (3) 3 lec to (4) 4 lec

CE 587 Analysis and Design of Deep Foundations (3) 3 lec to CE 586 (4) 4 lec

CPE 353 Computer Systems Programming (3) 3 lec: delete cross-listing with CSC 353 (course deleted)

CPE 404 Computer Networks I (4) 3 lec 1 lab (Also listed as CSC 404) to CPE 464

CPE 405 Computer Networks II (4) 3 lec 1 lab (Also listed as CSC 405) to CPE 465

CPE 410 Performance Analysis (4) 3 lec 1 lab (Also listed as CSC 410) to CPE 488

CSC 110 Computers and Computer Applications: MS-DOS (3) 2 lec 1 act to Computers and Computer Applications: Windows

CSC 111 requesting new mcf

CSC 118 Fundamentals of Computer Science I (4) 3 lec 1 act to CSC 101 3 lec 1 lab

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

- CSC 120 Principles of Business Data Processing (4) 4 lec mcf to CSC 119
- CSC 203 COBOL Programming (3) 3 lec to CSC 233
- CSC 204 C and UNIX (3) 3 lec to CSC 234
- CSC 209 Selected Programming Languages (3) 3 lec to CSC 239
- CSC 218 Fundamentals of Computer Science II (3) 3 lec to CSC 102 (4) 3 lec 1 act
- CSC 241 Advanced Topics in Unix (3) 3 lec to CSC 334 (4) 4 lec
- CSC 245 Discrete Structures (3) 3 lec to CSC 141 Discrete Structures I (4) 4 lec
- CSC 248 Computer System Administration (2) 2 sem to CSC 358
- CSC 251 Digital Computer Applications (2) 2 act to CSC 231 Fortran for Engineering Students
- CSC 255 Computer Graphics Applications (4) 3 lec 1 lab to CSC 270 2 lec 2 act
- CSC 311 Numerical Engineering Analysis (4) 4 lec to CSC 341
- CSC 332 Numerical Analysis I (3) 3 lec to CSC 342
- CSC 333 Numerical Analysis II (3) 3 lec to CSC 343 (no longer cross-listed with MATH 333)
- CSC 345 Data Structures (3) 3 lec to CSC 103 Fundamentals of Computer Science III (4) 3 lec 1 act
- CSC 346 File Structures (3) 3 lec to CSC 361 (4) 4 lec
- CSC 347 Introduction to Database Systems (4) 3 lec 1 lab to CSC 365
- CSC 349 Theory and Analysis of Algorithms (3) 3 lec to Design and Analysis of Algorithms (4) 4 lec
- CSC 351 Programming Languages I: Design (3) 3 lec to CSC 330 Programming Languages I (4) 4 lec
- CSC 401 Real-Time Programming and Ada (3) 3 lec to CSC 459 Real-Time Systems (4) 3 lec 1 lab
- CSC 404 Computer Networks (4) 3 lec 1 lab to CSC 464 Computer Networks I (also listed as CPE 464)
- CSC 405 Computer Networks II (4) 3 lec 1 lab to CSC 465 (Also listed as CPE 465)
- CSC 410 Performance Analysis (4) 3 lec 1 lab to CSC 488 (Also listed as CPE 488)
- CSC 420 Artificial Intelligence I (4) 3 lec 1 lab to CSC 480 Artificial Intelligence
- CSC 421 Artificial Intelligence II (4) 3 lec 1 lab to CSC 481 Knowledge Based Systems
- CSC 440 Software Engineering I (3) 2 lec 1 lab mcf to CSC 205 (4) 3 lec 1 lab mcf
- CSC 441 Software Engineering II (3) 2 lec 1 lab to CSC 206 (4) 3 lec 1 lab
- CSC 443 Programming Environments II (4) 3 lec 1 lab to CSC 436 Graphical User Interface Systems

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

CSC 445 Theory of Computing I (3) 3 lec to Theory of Computing (4) 4 lec

CSC 447 Database Management Systems Implementation (3) 3 lec to CSC 468 (4) 3 lec 1 lab

CSC 450 Programming Languages II: Description and Analysis (4) 3 lec 1 lab to CSC 430 Programming Languages II

CSC 451 Programming Languages III: Compiler Implementation (4) 3 lec 1 lab to CSC 431 Programming Languages III

CSC 455 Computer Graphics (4) 3 lec 1 lab to CSC 471 Introduction to Computer Graphics

CSC 456 Advanced Rendering Techniques (4) 3 lec 1 lab to CSC 473

CSC 458 Computer Graphics Seminar (2) 2 sem to CSC 479

CSC 461, 462 Senior Project (2) (3) supv to CSC 491, 492

CSC 470 Selected Advanced Topics (1-3) 1-3 lec to CSC 490

CSC 484 Computer Vision (3) 3 lec to CSC 477 (4) 3 lec 1 lab

CSC 485 Cooperative Education Experience (6) supv (CR/NC) to CSC 494

CSC 501 Languages and Translators (4) 4 sem to CSC 530

CSC 502 Database Systems (4) 4 sem to CSC 560

CSC 503 Operating Systems (4) 4 sem to CSC 550

CSC 504 Computer Architecture (4) 3 sem 1 lab to CSC 520

CSC 505 Theory of Computing II (4) 4 sem to CSC 540 Theory of Computing

CSC 506 Artificial Intelligence III (4) 3 lec 1 lab to CSC 580 Artificial Intelligence

CSC 507 Computer Simulation I (4) 4 sem to CSC 587

CSC 517 Computer Simulation II (4) 3 sem 1 lab to CSC 588

CSC 527 Computer-Based Educational Systems II (3) 3 sem to CSC 583 Computer-Based Educational Systems

CSC 531 Numerical Methods I (4) 4 sem to CSC 541 Numerical Methods

CSC 585 Cooperative Education Experience (6) supv (CR/NC) to CSC 594

ENVE 331 Introduction to Environmental Engineering (3) 3 lec to (4) 4 lec

**COLLEGE OF ENGINEERING
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

MATE 230 Metals (3) 3 lec to (4) 4 lec

MATE 235 Metals Laboratory (2) 2 lab to (1) 1 lab

MATE 360 Thermodynamics and Kinetics of Materials (4) 4 lec to Thermodynamics of Materials

ME 456, 457, 458 HVAC System Design (4) (4) (4) 2 lec 2 lab each to:

ME 456 Ventilation Principles and Design (4) 3 lec 1 lab

ME 457 Refrigeration Principles and Design (4) 3 lec 1 lab

ME 458 Air Conditioning Principles and Design (4) 3 lec 1 lab

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

NEW COURSES

ANT 311 Archaeological Laboratory Methods (4) 3 lec 1 lab (replaces ANT 325)

ANT 405 Indonesia (4) 4 lec

ANT 425 Pre-Columbian Mesoamerica (4) 4 lec

ANT 435 Pacific Islands Culture (4) 4 lec

ART 316 Women as Subject and Object in Art History (4) 4 lec, cross-listed as WS 316

ART 317 Asian Art Survey (4) 4 lec (C.3.)

ART 318 Art History – Asian Art Topics: National, Religious and Intellectual Movements (4) 4 lec,
(C.3.), max 8 units

New Course Prefix: CD Child Development

CD 329 Research Methods in Child Development (3) 2 lec 1 act

CD 390 Career Planning (2) 2 sem CR/NC (Also listed as PSY 390)

DANC 332 Modern Dance Repertory (2) 2 act, total credit limited to 6 units

The following English Major Core courses might be re-titled:

ENGL 201 MAJOR CORE I: Old English/Medieval (4) 4 lec

ENGL 202 MAJOR CORE II: Renaissance (4) 4 lec

ENGL 203 MAJOR CORE III: 1660–1798 (4) 4 lec

ENGL 301 MAJOR CORE IV: 1798–1865 (4) 4 lec

ENGL 302 MAJOR CORE V: 1865–1914 (4) 4 lec (re-used course number, note to dept)

ENGL 303 MAJOR CORE VI: 1914–Present (4) 4 lec

ENGL 408 Internship (2–12) supv, cr/nc

ENGL 411 Writing Interactive Documents (4) 4 lec, total credit 8 units

ENGL 525 Graduate Seminar in Creative Writing: Fiction (4) 4 sem, total credit 8 units

ENGL 526 Graduate Seminar in Creative Writing: Poetry (4) 4 sem, total credit 8 units

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

NEW COURSES (continued)

GEOG 360 Geography of Europe (4) 4 lec

GEOG 370 Geography of Mexico and Central America (4) 4 lec

GRC 260 Introduction to Research Methods in Graphic Communication (3) 2 lec 1 act

HIST 110 Western Civilization: Ancient to Renaissance (4) 4 lec (with HIST 111 replacing HIST 101, 102, 103 (3,3,3))

HIST 111 Western Civilization: Reformation to Twentieth Century (5) 5 lec (with HIST 110 replacing HIST 101, 102, 103 (3,3,3))

HIST 390 American Presidency (4) 4 lec (3 lectures and research project)

HIST 408 The Age of Roosevelt: Depression and World War, 1929-50 (4) 4 lec (3 lectures and research project) (with HIST 410, replacing HIST 407)

HIST 410 Recent America Since 1950: Shattering of the American Consensus (4) 4 lec (3 lectures and research project (with HIST 408, replacing HIST 407))

HIST 450 History Internship (8-12) supv, cr/nc

HUM 403 Ethical Issues in Cyberspace (3) 3 lec (C.3.)

JPNS 101, 102, 103 Elementary Japanese (4)(4)(4) 3 lec 1 act

JOUR 390 Visual Communication for the Mass Media (4) 3 lec 1 lab (replacing JOUR 223 & JOUR 434)

LS 211 The American Enterprise: The Birth of a Nation to the 1876 Centennial (5) 4 lec 1 lab (C1 (2) & D1 (3)), (new request for mcf, X211 did not have mcf)

LS 212 The American Enterprise: The 1876 Centennial to the 21st Century (5) 4 lec 1 lab (C1 (2) & D1 (3)), (new request for mcf, X212 did not have mcf)

LS 310 Storytelling: The Oral Tradition (4) 4 lec (Also listed as SPC 310)

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

NEW COURSES (continued)

MU 114 Introduction to Composing (4) 3 lec 1 act

MU 308 Sound Design: Technologies (4) 3 lec 1 act

MU 335 Survey of Keyboard Literature (4) 4 lec

MU 337 Survey of Vocal Literature (4) 4 lec

MU 366 Piano Pedagogy (2) 2 act

MU 367 Vocal Pedagogy (2) 2 act

MU 412 Sound Design: Composition and Performance (4) 3 lec 1 act

POLS 422 European Politics (4) 4 lec (incorporating POLS 418)

POLS 460 Intermediate Political Analysis (4) 3 lec 1 act

POLS 560 Advanced Political Analysis (4) 3 lec 1 act

PSY 103 Pairing and Marriage (4) 4 lec (replacing HD 103 (3))

PSY 204 Tutor Training and Certification (2) 1 lec 1 act CR/NC

PSY 300 Human Development: An Ecological Perspective (4) 4 lec

PSY 306 Adolescence (4) 4 lec (Also listed as CD 306)

PSY 390 Career Planning (2) 2 sem CR/NC (Also listed as CD 390)

PSY 410 History and Systems of Psychology (4) 4 sem

PSY 430 Sensation and Perception (4) 4 lec

PSY 558 Career Counseling (4) 4 sem

WS 316 Women as Subject and Object in Art History (4) 4 lec, cross-listed as ART 316

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

DELETED COURSES

ANT 325 Material Culture (3) 3 lec (replaced by ANT 311)

ANT 341 Comparative Societies (3) 3 lec

ART 213 Art History-18th and 19th Century Art (4) 4 lec

ART 426 Illustration Photography I (3) 2 lec 1 lab

ENGL 318 Writing for Scientific Journals (4) 4 lec

ENGL 362 Classics for Children and Youth (4) 4 lec

ENGL 385 Mass Media Criticism (4) 4 lec (also listed as JOUR 385 and SPC 385)

ENGL 460 Senior Project Seminar (1) 1 sem

ENGL 470 Selected Advanced Topics (1-3) 1-3 lec

ENGL 520 Problems in Secondary English (3) 3 sem

HD 103 Pairing and Marriage (3) 3 lec (replaced by PSY 103 (4))

HD 308 Adulthood (3) 3 lec

HIST 101, 102, 103 Western Civilization (3)(3)(3) 3 lec each (replaced by HIST 110, 111)

HIST 270 History through Film (3) 2 lec 1 lab

HIST 306 History of American Technology (3) 3 lec

HIST 307 History of Science (3) 3 lec

HIST 308 American Warfare (3) 3 lec

HIST 375 Urban America (3) 3 lec

HIST 384 American Labor History (3) 3 lec

HIST 386 Frontiers (3) 3 lec

HIST 406 Progressive America (3) 3 lec

HIST 407 Modern America (4) 3 lec and research project (replaced by HIST 408 & HIST 410)

JOUR 223 Photojournalism (3) 2 lec 1 lab (JOUR 223 & JOUR 434 replaced by JOUR 390)

JOUR 405 Public Affairs Reporting (4) 3 lec 1 lab (incorporated into JOUR 304)

JOUR 434 Advanced Editing (4) 3 lec 1 lab (JOUR 223 & JOUR 434 replaced by JOUR 390)

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

DELETED COURSES (continued)

MU 102 Acoustic Communication (3) 3 lec

MU 311 Sound Design: MIDI Systems (3) 2 lec, 1 act

MU 334 Music of the 20th Century (3) 3 lec

MU 410 Sound Design: Processing and Production (4) 4 lec

PHIL 170 Problems of Philosophy (3) 3 lec

PHIL 327 Inductive Reasoning (3) 3 lec

POLS 313 National Security Policy (3) 3 lec

POLS 415 Politics in Britain (4) 4 lec

POLS 418 Russian Politics (3) 3 lec

POLS 485 Cooperative Education Experience (6) CR/NC supv

POLS 590 Seminar in Political Science (3) 3 sem

PSY 327 Human Dimensions of Leisure (3) 3 lec (Also listed as REC 327)

SOC 302 Social Welfare Institutions (4) 4 lec

SOC 308 Revolutions and Collective Violence (3) 3 lec (Also listed as POLS 308)

SOC 326 Sociology of Aging (3) 3 lec

SOC 333 Social Research Methods I (3) lec

SOC 344 Sociology of Poverty (3) 3 lec

SOCS 366 Research and Writing Seminar in Social Sciences (3) 3 sem

SOCS 424 Organizing and Teaching Social Sciences (3) 3 lec

SOCS 463 Undergraduate Seminar (3) 3 sem

SPC 101 Introduction to Speech Communication (1) 1 lec cr/nc

SPC 300 Voice and Phonetics (4) 4 lec

SPC 302 Introduction to Communicative Disorders (4) 4 lec

SPC 303 Development of Speech and Language (3) 3 lec

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES

ANT 202 World Prehistory (3) 3 lec to (4) 4 lec

ANT 203 Biological Anthropology (3) 3 lec to (4) 4 lec

ANT 310 California Archeology (3) 2 lec 1 lab to Archeological Field Methods (4) 3 lec 1 lab

ANT 333 Language and Cultures (3) 3 lec to ANT 433 (4) 4 lec

ANT 401 Culture and Health (3) 3 lec to (4) 4 lec

ANT 415 Native American Cultures (3) lec USCP to (4) lec

ANT 420 Developmental Anthropology (3) 3 lec to (4) 4 lec

ANT 444 Sex, Death and Human Nature (3) 3 lec to (4) 4 lec

ANT 450 Area Studies (3) 3 lec to (4) 4 lec

ANT 470 Selected Advanced Topics (1-3) 1-3 lec to (1-4) 1-4 lec, total units: 8

ART 224 Introduction to Artificial Lighting (3) 2 lec 1 lab to Introduction to Artificial Lighting for
Photography

ART 231 Computer Imaging and Design (3) 2 lec 1 lab mcf to ART 181

ART 304 Advanced Watercolor (3) 3 act to Intermediate Watercolor

ART 321 Photographic Expression: B/W (4) 2 lec 2 lab to ART 324

ART 313 Design History (3) 3 lec to (4) 4 lec

ART 407 Illustration (3) 3 act to ART 408

ART 424 Video and Multimedia Production (4) 2 lec 2 lab to ART 483 (4) 2 lec 2 lab

ART 427 Illustration Photography II (3) 2 lec 1 lab to Illustration Photography

ART 461 Senior Project (3) to (2)

ART 462 Senior Portfolio Project (1) 1 act to (2)

ART 464 Graphics and Animation Techniques for Microcomputers (3) 3 lec to ART 484 Animation and
Interactive Design 2 lec 1 lab

ART 466 Advanced Digital Image Making (3) 2 lec 1 lab to ART 486

ART 467 Designing for the World Wide Web (3) 2 lec 1 lab to ART 487

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

ENGL 302 Writing: Advanced Composition (4) 4 lec to ENGL 315

ENGL 311 Advanced Professional Writing (4) 4 lec to ENGL 318

ENGL 325 Creative Writing (4) 4 lec, max 8 units, to

ENGL 325 Creative Writing: Fiction (4) 4 lec, max of 8 units,

ENGL 326 Creative Writing: Poetry (4) 4 lec, max of 8 units, re-used number

and ENGL 327 Creative Writing: Drama (4) 4 lec, max of 8 units

ENGL 326 Literary Criticism (4) 4 lec to ENGL 328

ENGL 339 Introduction to Shakespeare (3) 3 lec (C.3.) to (4) 4 lec

ENGL 353 Modern Drama in London (4) 3 lec 1 act (C.3.) to Drama in London

ENGL 355 The Bible as Literature (3) 3 lec to (4) 4 lec

ENGL 390 Modern English Grammar (4) 4 lec to The Linguistic Structure of Modern English

ENGL 391 Topics in Applied Linguistics (4) 4 lec: Repeatable to 8 units

ENGL 415 Advanced Creative Writing (4) 4 lec, max 8 units to

ENGL 425 Advanced Creative Writing: Fiction (4) 4 lec, max 8 units

ENGL 426 Advanced Creative Writing: Poetry (4) 4 lec, max 8 units

and ENGL 427 Advanced Creative Writing: Drama (4) 4 lec, max 8 units

ENGL 421 Writing in Secondary Schools (4) 4 lec to ENGL 423

ENGL 424 Organizing and Teaching English (4) 4 lec to Teaching English in Secondary Schools

ENGL 439 Significant British Writers (4) 4 sem, total credit limited to 8 units to: repeatable to 12 units

ENGL 449 Significant American Writers (4) 4 sem, total credit limited to 8 units to: repeatable to 12 units

ENGL 450 Computer Resources for English Teachers (4) 3 sem 1 lab to ENGL 470

ENGL 459 Significant World Writers (4) 4 sem, total credit limited to 8 units to: repeatable to 12 units

ENGL 461 Senior Project (3) supv to (1) supv

ENGL 495 Applied Language Study (4) 4 sem, total credit limited to 8 units to: Topics in Applied Language Study, repeatable to 12 units

ENGL 496 Cooperative Education Experience (12) supv, cr/nc to ENGL 486

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

ENGL 502 Seminar in Critical Analysis (4) 4 sem, limited to 12 units, to: repeatable to 8 units

ENGL 503 Seminar in English Linguistics (4) 4 sem to Graduate Introduction to Linguistics, and remove repeatability to 12 units

ENGL 504 Seminar in Applied English Linguistics (4) 4 sem to Seminar in English Linguistics

ENGL 505 Seminar in Composition Theory (4) 4 sem: remove repeatability to 12 units

ENGL 510 Seminar in Authors (4) 4 sem, limited to 12 units, to: repeatable to 16 units

ENGL 511 Seminar in American Literary Periods (4) 4 sem, limited to 12 units, to: repeatable to 20 units

ENGL 512 Seminar in British Literary Periods (4) 4 sem, limited to 12 units, to: repeatable to 20 units

ENGL 513 Seminar in Special Topics (4) 4 sem, limited to 12 units, to: repeatable to 16 units

ES 114 Racism in American Culture (3) 3 lec USCP to (4) 4 lec

ES 230 Chicano/a Literature (3) 3 lec USCP to ES 300 (4) 4 lec, USCP, GEB C.3.

ES 320 American Cultural Images: African Americans, Asian Americans, Mexican Americans (3) 3 lec, USCP to GEB D.4.a.

GEOG 215 Human Impact on the Earth (3) 3 lec to GEOG 333 (4) 4 lec

GEOG 250 Physical Geography (3) 3 lec to (4) 4 lec

GEOG 305 Political Geography (3) 3 lec to (4) 4 lec

GEOG 310 Urban Geography (3) 3 lec to (4) 4 lec

GEOG 315 Geography of Resource Utilization (3) 3 lec to (4) 4 lec

GEOG 325 Climate and Humanity (3) 3 lec to (4) 4 lec

GEOG 340 Geography of California (3) 3 lec to (4) 4 lec

GEOG 350 Geography of the United States (3) 3 lec to (4) 4 lec

GEOG 401 Area Geography (3) 3 lec to (4) 4 lec

GEOG 470 Selected Advanced Topics (1-3) 1-3 lec to (1-4) 1-4 lec, total units: 12

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

GRC 210 Implementing Quality Management in the Graphic Arts (4) 4 lec to 3 lec 1 act
GRC 300 Typography (4) 2 lec 2 lab to 3 lec 1 lab
GRC 322 Advanced Typography (2) 1 lec 1 lab mcf to (3) 2 lec 1 lab
GRC 327 Graphic Arts Photography (3) 2 lec 1 lab mcf to GRC 202
GRC 401 Printing Marketing and Sales (3) 2 lec 1 lab to (4) 3 lec 1 lab
GRC 411 Pricing, Costing and Web Estimating (3) 3 lec to (4) 3 lec 1 act
GRC 414 Electronic Image Assembly (3) 2 lec 1 lab mcf to GRC 203 Electronic Prepress (4) 3 lec 1 lab
GRC 438 Electronic Art Preparation (4) 2 lec 1 lab mcf to 3 lec 1 lab

Change HD courses to CD (Child Development)

HD 102 Human Development: Introduction to Issues and Applications (3) 3 lec to CD 102 Orientation to Child Development (4) 4 lec
HD 128 Program Planning for Infants and Toddlers (3) 3 act to CD 128 Nurturing Relationships
HD 200 Special Problems for Undergraduates (1-3) supv to CD 200 (1-4)
HD 203 Family Development (3) 3 lec to CD 203 (4) 4 lec
HD 209 Early Development: Conception through Childhood (5) 5 lec to CD 209 (4) 4 lec
HD 306 Adolescence (3) 3 lec to CD 306 (4) 4 lec
HD 309 Early Childhood Learning: Applications for the Sensorimotor Period (3) 3 lec to CD 309 Learning, Development and Technology I (4) 4 lec
HD 310 Early Childhood Learning: Applications for the Preoperational Period (5) 5 act to CD 310 Learning, Development and Technology II (4) 4 act
HD 311 Early Childhood Learning: Applications for the Transitional Period (5) 5 act to CD 311 Learning, Development and Technology III (4) 4 act
HD 324 Guiding Young Children (4) 4 lec to CD 324 Guiding Children and Adolescents
HD 400 (1-3) supv (max of 3 units/qtr) to CD 400 (1-4) (max of 4 units/qtr)
HD 430 Advanced Internship (6) (CR/NC) supv to CD 430 (4)
HD 461 Senior Project (2) supv to CD 461 Senior Project Seminar (2) 2 sem
HD 470 Selected Advanced Topics (1-3) 1-3 lec to CD 470 (1-4) 1-4 lec

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

- HIST 343 Greece and Rome (3) 3 lec to Ancient Greece and Rome (4) 4 lec (3 lec and research project)
- HIST 346 Medieval Europe (3) 3 lec to (4) 4 lec (3 lec and research project)
- HIST 347 Renaissance and Reformation (3) 3 lec to Renaissance and Reformation Europe (4) 4 lec (3 lec and research project)
- HIST 348 Religious Wars and Absolutism (3) 3 lec to (4) 4 lec (3 lec and research project)
- HIST 440 Topics & Issues in the History of U. S. (3) 3 lec to (4) 4 lec (3 lec and research project), (max of 8 units)
- HIST 441 Topics and Issues in European History (3) 3 lec to (4) 4 lec (3 lec and research project), (max of 8 units)
- HIST 442 Topics and Issues in Latin American History (3) 3 lec to (4) 4 lec (3 lec and research project), (max of 8 units)
- HIST 443 Topics and Issues in Asian History (3) 3 lec to (4) 4 lec (3 lec and research project), (max of 8 units)
- HIST 444 Topics and Issues in African History (3) 3 lec to (4) 4 lec (3 lec and research project), (max of 8 units)
- HIST 445 Topics and Issues in Comparative History (3) 3 lec to (4) 4 lec (3 lec and research project), (max of 8 units)
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- JOUR 201 Journalism History (3) 3 lec to (4) 4 lec
- JOUR 205 Agricultural Communications (3) 3 lec to (4) 3 lec 1 act
- JOUR 290 Multicultural Journalism (3) 3 lec, USCP to (4) 4 lec
- JOUR 331 Contemporary Advertising (3) 3 lec to Contemporary Advertising (4) 4 lec
- JOUR 346 Broadcast Announcing (3) 2 lec 1 lab to Broadcast Announcing and Production (4) 3 lec 1 act
- JOUR 385 Mass Media Criticism delete x-listing with ENGL 385; keep xlisting with SPC 385
- JOUR 407 Feature Writing (3) 3 lec to (4) 4 lec

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

- MU 100 Music Fundamentals (3) 3 lec to (4) 3 lec, 1 act
- MU 101 Introduction to Music Theory (3) 3 lec (C.2.) to (4) 3 lec, 1 act
- MU 103 Music Theory I (3) 3 lec to (4) 4 lec
- MU 121 Intro to World Music (3) 3 lec to Introduction to Non-Western Musics (4) 3 lec, 1 act
- MU 154 Beginning Voice (1) 1 act to (2) 1 lec, 1 act (change max repeat from 3 to 2; not repeatable)
- MU 206 (3) 3 lec Jazz & Popular Music Arranging to MU 351 (2) 2 act
- MU 207 Music Theory II (3) 3 lec to (4) 4 lec
- MU 221 Jazz Styles (3) 3 lec (C.2.) to (4) 3 lec, 1 act
- MU 222 History and Theory of Jazz (3) 3 lec to MU 336 Jazz History and Theory (4) 4 lec
- MU 301 Counterpoint (3) 3 lec to (4) 4 lec
- MU 309 Music Theory III (3) 3 lec to (4) 4 lec
- MU 310 Sound Design: Recording (3) 2 lec, 1 act to (4) 3 lec, 1 act
- MU 320 Music Research and Writing (3) 3 lec to (4) 4 lec
- MU 324 Music and Society (3) 3 lec (C.3.) to (4) 3 lec, 1 act
- MU 325 America's Music (3) 3 lec (USCP) to (4) 4 lec
- MU 326 Cultural Concepts and Structures in Music (3) 3 lec to (4) 3 lec, 1 act
- MU 328 Women in Music (3) 3 lec (C.3.) to (4) 4 lec
- MU 329 Music of the 60s: War and Peace (3) 3 lec (C.3.)(USCP) to (4) 4 lec
- MU 331 Music of the Middle Ages and Renaissance (3) 3 lec to MU 321 Music History I (4) 4 lec
- MU 332 Music of the Baroque and Early Classic (3) 3 lec to MU 322 Music History II (4) 4 lec
- MU 333 Music of the Classic and Romantic (3) 3 lec to MU 323 Music History III (4) 4 lec
- MU 340 Conducting (3) 2 lec, 1 act to Conducting: Fundamentals (2) 2 act
- MU 341 Choral Conducting (3) 2 lec, 1 act to Conducting: Choral (2) 2 act
- MU 342 Instrumental Conducting (3) 2 lec, 1 act to Conducting: Instrumental (2) 2 act
- MU 360 Music for Classroom Teachers (3) 3 lec to (4) 3 lec, 1 act
- MU 365 Music in the Elementary School (3) 2 lec, 1 act to (4) 3 lec, 1 act
- MU 401 Contemporary Music Theory (3) 3 lec to (4) 4 lec

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

MU 402 Orchestration (3) 3 lec to MU 352 (4) 3 lec, 1 act

MU 404 Composition (3) 3 lec to (2) 2 act, total credit limited to 6 units

MU 411 Sound Design: Synthesis (4) 4 lec to (4) 3 lec, 1 act, not repeatable

MU 420 Music History: Selected Topics (3) 3 lec to (4) 3 lec, 1 act, repeatable to 8 units

MU 465 Choral Literature and Rehearsal Techniques (3) 2 sem, 1 act to (4) 3 lec, 1 act

MU 466 Instrumental Literature and Rehearsal Techniques (3) 2 sem, 1 act to (4) 3 lec, 1 act

PHIL 225 Symbolic Logic (3) 3 lec to (4) 4 lec

PHIL 322 Philosophy of Cognitive Science (3) 3 lec to PHIL 422 Philosophy of Mind (4) 4 lec

POLS 100 Political Inquiry (4) 4 lec to POLS 180

POLS 105 Introduction to International Relations (4) 4 lec to POLS 225

POLS 204 Basic Concepts of Political Thought (4) 4 lec to POLS 230

POLS 210 American and California Government (3) 3 lec (GEB D.1.) to POLS 110

POLS 250 Model United Nations (2) 2 lec CR/NC to POLS 285

POLS 301 California State/Local Politics (3) 3 lec to POLS 375 (4) 4 lec

POLS 303 Minority Group Politics (3) 3 lec USCP to POLS 310 Politics of Ethnicity and Gender (4) 4
lec USCP

POLS 304 Politics of Global Survival (4) 4 lec to POLS 320

POLS 305 Political Analysis (4) 3 lec 1 act to POLS 360

POLS 306 Modern Political Thought (3) 3 lec to POLS 330 (4) 4 lec

POLS 307 American Political Thought (3) 3 lec to POLS 337 (4) 4 lec

POLS 308 Revolutions/Collective Violence (3) 3 lec (Also listed as SOC 308) to (4) 4 lec (no longer
cross-listed: SOC 308 deleted)

POLS 311 Inter-American Relations (3) 3 lec to POLS 327 (4) 4 lec

POLS 312 International Politics (3) 3 lec to POLS 324 (4) 4 lec

POLS 314 Public Administration (4) 4 lec to POLS 351

POLS 321 American Constitutional Law (4) 4 lec to POLS 341

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

- POLS 322 Civil Liberties (4) 4 lec to POLS 344
- POLS 323 Civil Rights in America (4) 4 lec (USCP) to POLS 343
- POLS 331 Political Parties and Interest Groups (3) 3 lec to POLS 316 (4) 4 lec
- POLS 332 Public Opinion and Political Participation (3) 3 lec to POLS 317 (4) 4 lec
- POLS 335 Legislative Process (4) 4 lec to POLS 319
- POLS 336 Judicial Process (4) 4 lec to POLS 345
- POLS 340 Government Internship (2-12) supv CR/NC to POLS 386
- POLS 342 The American Presidency (3) 3 lec to POLS 315 (4) 4 lec
- POLS 350 Advanced Model United Nations (2) 2 lec to POLS 385
- POLS 370 Contemporary Global Political Issues (3) 3 lec (GEB D.4.b.) to POLS 325
- POLS 371 World Food Politics (3) 3 lec (GEB D.4.b.) to POLS 326
- POLS 380 Political Behavior (4) 4 lec to POLS 318
- POLS 382 Comparative Politics (4) 4 lec to POLS 329
- POLS 384 Politics of Developing Areas (3) 3 lec to POLS 328 (4) 4 lec
- POLS 401 State and Local Government (4) 4 lec to POLS 472
- POLS 403 Municipal Government (4) 4 lec to POLS 471
- POLS 404 Science, Technology and Public Policy (4) 4 lec to POLS 451
- POLS 405 Politics of Finance and Planning (3) 3 lec to POLS 452 (4) 4 lec
- POLS 411 Contemporary U.S. Foreign Policy (3) 3 lec to POLS 420 (4) 4 lec
- POLS 417 Asian Politics (3) 3 lec to POLS 421 (4) 4 lec
- POLS 425 Public Policy Analysis (4) 4 lec to POLS 455
- POLS 441 Administrative Theory and Behavior (4) 4 lec to POLS 453
- POLS 442 Public Personnel Administration (4) 4 lec to POLS 454
- POLS 450 Community Research Seminar (2) 1 sem 1 act to POLS 484
- POLS 463 Undergraduate Seminar (3) 3 sem to POLS 481 (4) 4 sem
- POLS 465 Middle Eastern Politics (4) 4 lec to POLS 423
- POLS 468 African Politics (4) 4 lec to POLS 424
- POLS 510 Administration in Developing Nations (4) 4 sem to POLS 550

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

PSY 200 Special Problems for Undergraduates (1-3) supv to (1-4), total credit limited to 4 units

PSY 301 Psychology of Personal Development (3) 3 lec to (4) 4 lec

PSY 302 Behavior in Organizations (3) 3 lec to (4) 4 lec

PSY 303 Family Interaction (3) 3 lec to (4) 4 lec

PSY 309 Psychology of Consciousness (3) 3 lec to (4) 4 lec

PSY 310 Death and Mourning (3) 3 lec to Psychology of Death (4) 4 lec

PSY 311 Environmental Psychology (3) 3 lec to (4) 4 lec

PSY 314 Psychology of Women (3) 3 lec to (4) 4 lec

PSY 315 Psychology of Men (3) 3 lec to (4) 4 lec

PSY 317 Psychology of Stress (3) 3 lec mcf to (4) 4 lec

PSY 318 Psychology of Aging (3) 3 lec to (4) 4 lec

PSY 319 Motivation (3) 3 lec to Motivation and Emotion (4) 4 lec

PSY 330 Behavioral Effects of Psychoactive Drugs (3) 3 lec to (4) 4 lec

PSY 400 Special Problems for Advanced Undergraduates (1-3) supv, total credit limited to 6, max of
3/qtr to (1-4), total credit limited to 4

PSY 413 Parent-Child Relationships (3) 3 lec to (4) 4 lec

PSY 419 Development of Self and Identity (3) 3 sem to Self and Identity (4) 4 sem

PSY 420 Social and Emotional Development (3) 3 sem to (4) 4 sem

PSY 421 Cognitive Development (3) 3 sem to (4) 4 sem

PSY 422 Lifespan Sexuality (3) 3 lec to (4) 4 lec

PSY 432 Psychological Testing (3) 3 lec to (4) 4 lec

PSY 450 Family Therapy and Crisis Intervention (4) 4 lec to Family Intervention

PSY 456 Behavioral Disorders in Childhood (3) 3 sem to (4) 4 sem

PSY 457 Memory and Cognition (3) 3 lec to PSY 307 (4) 4 lec

PSY 458 Learning (3) 3 sem to (4) 4 sem

PSY 459 Lifespan Theories (3) 3 sem to (4) 4 sem

PSY 460 Child Abuse and Neglect (3) 3 sem to (4) 4 sem

PSY 465 Cross-Cultural Issues in Psychology (3) 3 sem to (4) 4 sem (No "Class Schedule..list topics")

PSY 470 Selected Advanced Topics (1-3) 1-3 lec to (4) 4 sem, total credit limited to 8 units

PSY 494 Psychology of Technological Change (3) 3 sem to (4) 4 sem

PSY 504 Psychoneurology and Pharmacology (3) 3 sem to Neuropsychology and Psychopharmacology
(4) 4 sem

PSY 560 Counseling Theories and Assessment (4) 3 sem 1 act (Also listed as EDUC 560) to Individual
Therapy: Theory and Application (no longer cross-listed))

PSY 564 Ethics and the Law: MFC Counseling (3) 3 sem to (4) 4 sem

PSY 566 Group Therapy (3) 2 sem 1 act to Group Therapy: Theory and Application (4) 2 sem 2 act

PSY 568 Advanced Psychotherapies (3) 3 sem to (4) 4 sem, total credit limited to 12 units

PSY 569 Counseling Clinic Practicum (6) supv CR/NC to (3), total credit limited to 12 units

PSY 570 Selected Topics in Psychology and Human Development (3) 3 sem to (4) 3 sem 1 act, total
credit limited to 8 units

PSY 571 Advanced Marital and Family Therapy (4) 3 sem 1 act to Family Therapy: Theory and
Application

PSY 572 Child and Adolescent Therapy (4) 3 sem 1 act to Child and Adolescent Therapy: Theory and
Application

PSY 573 Field Experience: Counseling (6) supv, change to "total credit limited to 12 units"

PSY 574 Applied Psychological Testing (3) 3 sem to (4) 4 sem

PSY 575 Sexual Dysfunction Therapy (3) 3 sem to Gender, Couple and Sexual Dysfunction Therapy (4)
4 sem

PSY 576 Field Experience: Marital and Family Counseling (6) supv to (4), total credit limited to 16 units

PSY 599 Thesis or Project (3) supv to Thesis (4)

SOC 106 Social Problems (3) 3 lec to (4) 4 lec

SOC 301 Social Work and Social Welfare Institutions (3) 3 lec to (4) 4 lec

SOC 305 Sociology of Social Movements (3) 3 lec to (4) 4 lec

SOC 306 Sociology of the Family (3) 3 lec to (4) 4 lec

SOC 310 Self, Organizations and Society (3) 3 lec to (4) 4 lec

SOC 311 Sociology of Gender (3) 3 lec to (4) 4 lec

SOC 313 Urban Sociology (3) 3 lec to (4) 4 lec

SOC 316 American Ethnic Minorities USCP (3) 3 lec to (4) 4 lec

**COLLEGE OF LIBERAL ARTS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

SOC 323 Social Stratification (3) 3 lec to (4) 4 lec

SOC 330 Social Change (3) 3 lec to (4) 4 lec

SOC 334 Social Research Methods II (3) 2 lec 1 lab to Social Research Methods

SOC 350 Social Organization of Modern Japan (3) 3 lec to (4) 4 lec

SOC 351 Women in East Asia (3) lec to (4) 4 sem

SOC 395 Sociology of Complex Organizations (3) 3 lec to (4) 4 lec

SOC 402 Crime and Delinquency (3) 3 lec to (4) 4 lec

SOC 412 Criminal Justice (3) 3 lec to (4) 4 lec

SOC 413 Methods of Social Work (3) 3 sem to (4) 4 sem

SOC 421 Social Theory (3) 3 lec to (4) 4 lec

SOC 431 Population Problems (3) 3 lec to (4) 4 lec

SOC 470 Selected Advanced Topics (1-3) 1-3 lec to (1-4) 1-4 lec, total credit limited to 8 units

SOCS 440 Internship (3-6) supv to (4-8), total credit limited to 18 units

SPAN 121, 122 Intermediate Spanish (4) (4) 3 lec 1 act to Fundamentals of Spanish

SPAN 204 Intensive Intermediate Spanish (8) 6 lec 2 act to Intensive Fundamentals of Spanish

SPAN 233 Critical Reading in Hispanic Literature (4) 4 lec to Introduction to Hispanic Readings

SPAN 301 Advanced Spanish Composition and Grammar (4) 4 lec to Advanced Composition in Spanish

SPC 310 Storytelling: The Oral Tradition (4) 4 lec: Cross-list with LS 310 (new)

SPC 385 Mass Media Criticism (4) 4 lec: delete crosslisting with ENGL 385; keep x-listing w/ JOUR 385

WS 401 Seminar in Women's Studies (3) 3 sem to (4) 4 sem (3 sem and research project); repeat up to 8 units

**COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES**

NEW COURSES

BACT 404 Microbial Diversity and Evolution (4) 3 lec 1 lab

BACT 436 Microbial Ecology (5) 3 lec 2 lab

BIO 207 Resource Survey (3) 2 lec 1 lab (replacing CONS 207)

BIO 227 Wildlife Conservation Biology (4) 4 lec (B1.b.) (with BIO 228: replacing CONS 120 and
CONS 210)

BIO 228 Wildlife Biology Laboratory (1) 1 lab (B.1.b.) (with BIO 227: replacing CONS 120 and CONS
210)

BIO 327 Wildlife Biology Methods (5) 3 lec 2 lab (replacing CONS 221 and CONS 431)

BIO 427 Wildlife Management (4) 3 lec 1 lab (replacing CONS 427 and CONS 431)

BIO 438 Aquaculture (4) 3 lec 1 lab (replacing CONS 433)

BIO 444 Population Ecology (3) 3 lec (replacing CONS 426)

BIO 575 College Teaching Practicum (4) 4 act total credit: 8 units CR/NC

CHEM 110 World of Chemistry – Essentials (4) 3 lec 1 lab (B.1.a.)

CHEM 111 Survey of Chemistry (5) 4 lec 1 lab (B.1.a.) (replacing CHEM 121 and CHEM 122)

CHEM 337 Clinical Chemistry I (2) 2 lec (B.1.a.) (with CHEM 338, replacing CHEM 335 (B.1.a.))

CHEM 338 Clinical Chemistry I Laboratory (1) 1 lab (B.1.a.), cr/nc (with CHEM 337, replacing CHEM
335 (B.1.a.))

CHEM 353 Physical Chemistry III (3) 3 lec (B.1.a.) (with CHEM 357, replacing CHEM 307 Physical
Chemistry (4) 3 lec 1 lab (B.1.a.))

CHEM 354 Physical Chemistry Laboratory (2) 2 lab (replacing CHEM 355 (B.1.a.), 356 (and 302?))

CHEM 357 Physical Chemistry Laboratory (1) 1 lab (with CHEM 353, replacing CHEM 307)

CHEM 405 Advanced Physical Chemistry (3) 3 lec, max 6 units credit

CHEM 437 Clinical Chemistry II (3) 3 lec (with CHEM 438, replacing CHEM 336)

CHEM 438 Clinical Chemistry II Laboratory (1) 1 lab CR/NC (with CHEM 437, replacing CHEM 336)

CHEM 465 College Teaching Practicum (1–2) supv CR/NC, max 4 units

**COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES**

NEW COURSES

New Course Prefix: KINE -- Kinesiology

KINE 255 Personal Health: A Multicultural Approach (4) 3 lec 1 rec USCP, E.2.

KINE 317 Computer Applications in Kinesiology (3) 1 lec 2 lab

KINE 443 Comprehensive School Health Education (4) 4 lec

PEW 189 Soccer (2)

SCM 451 Ethics in the Sciences (3) 3 sem

STAT 221 Introduction to Probability and Statistics (5) 5 lec (B.2.) (replacing STAT 210 (3) or STAT 211 (3), and STAT 212 (3))

STAT 542 Statistical Methods for Engineers (3) 3 lec

**COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES**

DELETED COURSES

BACT 403 General Virology Laboratory (2) 2 lab

CHEM 121 General Chemistry (with CHEM 122 replaced by CHEM 111)

CHEM 122 General Chemistry (with CHEM 121 replaced by CHEM 111)

CHEM 307 Physical Chemistry (4) 3 lec 1 lab (B.1.a.) (replaced by CHEM 353 (3) 3 lec and CHEM 357 (1) 1 lab)

CHEM 335 Clinical Chemistry (B.1.a.) (replaced by CHEM 337 (B.1.a.) and CHEM 338, B.1.a.)

CHEM 336 Clinical Chemistry (4) 3 lec 1 lab (B.1.a.) (replaced by CHEM 437 (B.1.a.) and CHEM 438 (B.1.a.)

CHEM 344 Chemical Process Principles(3) 3 lec (B.1.a.)

CHEM 355 Physical Chemistry Laboratory (1) 1 lab (B.1.a.) (with CHEM 356 (B.1.a.) (and 302? (B.1.a.)), replaced by CHEM 354, no GEB proposed)

CHEM 356 Physical Chemistry Laboratory (1) 1 lab (B.1.a.) (with CHEM 355 (and 302?), replaced by CHEM 354)

CHEM 435 Food Analysis (4) 3 lec 1 lab

CHEM 436 Agricultural Chemicals (4) 3 lec 1 lab

All CONS courses being deleted/replaced:

CONS 120 Fisheries and Wildlife Management (3) 3 lec (with CONS 210 (3): replaced by BIO 227, 228 (4)(1))

CONS 207 Resource Survey (3) 2 lec 1 lab (replaced by BIO 207)

CONS 210 Biology and Conservation of Endangered Species (3) 3 lec (with CONS 120 (3): replaced by BIO 227, 228 (4)(1))

CONS 221 Wildlife Techniques (3) 2 lec 1 lab (with CONS 431 (4): replaced by BIO 327 (5))

CONS 311 Introductory Conservation (3) 3 lec (added to BIO 301)

CONS 320 Fishery Resource Management (4) 3 lec 1 lab (replaced by ZOO 320 (4))

CONS 422 Freshwater Fisheries (4) 3 lec 1 lab (replaced by ZOO 423 (4))

CONS 426 Population Dynamics (3) 3 lec (replaced by BIO 444 (3))

CONS 427 Habitat Management (4) 3 lec 1 lab (with CONS 431: replaced by BIO 427 (4))

CONS 431 Game Management (4) 3 lec 1 lab (with CONS 221 (3): replaced by BIO 327 (5) and with
CONS 427 (4): replaced by BIO 427 (4))

CONS 433 Aquaculture (4) 3 lec 1 lab (replaced by BIO 438 (4))

MATH 205 Programmable Calculators in Calculus and Linear Algebra (4) 4 lec

MATH 222 Mathematical Analysis for Economics and Business (4) 4 lec (B.2.)

PE 318 Measurement and Evaluation I (3) 3 lec

PE 350 Computer Applications in Teaching Physical Education (3) 1 lec 2 act

PE 412 Contemporary Issues in Sport (3) 3 lec

PE 474 History and Philosophy of Human Movement and Sport (3) 3 lec

STAT 210 Elementary Probability and Statistics (3) 2 lec 1 act (B.2.) (STAT 210 or STAT 211 plus
STAT 212: replaced by STAT 221)

NOTE: STAT 211 Elementary Probability and Statistics (3) 3 lec (B.2.): DO NOT DELETE: STAT
211, 212 remain in 1998 catalog; will be deleted for 1999)

STAT 415 Nonparametric Methods in Statistics (3) 3 lec

ZOO 237 Human Anatomy (3) 2 lec 1 lab

ZOO 238, 239 Human Physiology I, II (3)(3) 2 lec 1 lab (B.1.b.) (replaced by ZOO 240, 241)

**COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES

BACT 322 Dairy Microbiology (4) 2 lec 2 lab (B.1.b.) to BACT 422 (Also listed as DSCI 444) (not B.1.b.) note to depts - need same course number

BACT 402 General Virology (3) 3 lec to (5) 5 lec

BIO 301 Human Ecology (3) 3 lec (B1b) to Conservation and Environmental Science (4) 4 lec (B1b)

BIO 351 Principles of Genetics (5) 5 lec, add GEB B.1.b.

BIO 352 Cell Biology (4) 4 lec, add GEB B.1.b.

BIO 353 Cell Biology Laboratory (2) 2 lab, add GEB B.1.b.

BIO 414 Evolution (3) 3 lec to (4) 3 lec 1 act

BIO 415 Biogeography (3) 3 lec to (4) 4 lec

BIO 437 Marine Resources (3) 3 lec to (4) 3 lec 1 lab

BIO 501 Cellular Biology (3) 2 sem 1 act to (4) 3 lec 1 lab

BIO 502 Biology of Organisms (3) 2 sem 1 act to (4) 3 lec 1 lab

BIO 503 Population Biology (3) 2 sem 1 act to (4) 3 lec 1 lab

BOT 443 Systematic Botany (3) 2 lec 1 lab to (4) 3 lec 1 lab

BOT 450 Plant Cell and Tissue Culture (5) 3 lec 2 lab to Plant Biotechnology

CHEM 124 General Chemistry (4) 3 lec 1 lab (B.1.a.) to General Chemistry for the Engineering Discipline

CHEM 125 General Chemistry (4) 3 lec 1 lab (B.1.a.) to General Chemistry for the Engineering Discipline

CHEM 253 Chemical Literature (2) 1 lec 1 act to CHEM 359 (2) 1 lec 1 lab

CHEM 301 Biophysical Chemistry (3) 3 lec (B.1.a.) to CHEM 351 Physical Chemistry I (3) 3 lec

CHEM 302 Biophysical Chem (4) 3 lec 1 lab (B1a) to CHEM 352 Physical Chemistry II (3) 3 lec (B1a)

CHEM 316 Organic Chemistry (4) 3 lec 1 lab (B.1.a.) to CHEM 216 (B.1.a.)

CHEM 317 Organic Chemistry (4) 3 lec 1 lab (B.1.a.) to CHEM 217 (5) 3 lec 2 lab

**COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

CHEM 326 Survey of Organic Chemistry (4) 3 lec 1 lab (B.1.a.) to CHEM 212 Survey of Organic Chemistry (5) 4 lec 1 lab (B.1.a.)

CHEM 328 Survey of Biochemistry (4) 3 lec 1 lab (B.1.a.) to CHEM 313 Survey of Biochemistry and Biotechnology (5) 4 lec 1 lab (B.1.a.)

CHEM 331 Quantitative Analysis (5) 3 lec 2 lab (B.1.a.) to CHEM 231 (B.1.a.)

CHEM 371 Biochemical Principles (4) 3 lec 1 lab (B.1.a.) to (5) 4 lec 1 lab (B.1.a.)

MATH 333 Numerical Analysis II (3) 3 lec (was x-listed with CSC 333) to Numerical Analysis I (4) 4 lec, (new mcf requested); drop cross-listing (CSC 333 changed to CSC 343)

MATH 335 Graph Theory (3) 3 lec to (4) 4 lec

MATH 336 Combinatorial Mathematics (3) 3 lec to (4) 4 lec

MATH 431 Mathematical Optimization I (3) 3 lec to (4) 4 lec

MATH 432 Mathematical Optimization II (3) 3 lec to (4) 4 lec

MATH 433 Numerical Analysis II (3) 3 lec (Also listed as CSC 433) to (4) 4 lec, new mcf requested; delete cross-listing (CSC 433 deleted)

MATH 437 Game Theory (3) 3 lec to (4) 4 lec

MATH 470 Selected Advanced Topics (1-3) 1-3 lec to (1-4) 1-4 lec

PE -- Change all PE 200-level and above courses to KINE

PE 280 First Aid and CPR (3) 2 lec 1 act to KINE 280 Responding to Emergencies: First Aid/CPR

PE 307 Adaptive Physical Education (4) 3 lec 1 lab to KINE 307 Adapted Physical Activity for Special Populations

PE 319 Measurement and Evaluation II (4) 3 lec 1 lab to KINE 319 Measurement and Evaluation in Kinesiology

PE 411 The Human Element in Sport (3) 3 lec to KINE 411 Psycho/Social Aspects of Physical Activity

PE 439 Commercial/Corporate Fitness Internship (3) supv to KINE 463 Commercial/Corporate Health Promotion

**COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES**

CHANGED COURSES (continued)

PE 517 Research Methods in Physical Education (3) 3 sem to KINE 517 Research Methods in Kinesiology

PE 581 Graduate Seminar in Physical Education (1-3) 1-3 sem to KINE 581 Graduate Seminar in Kinesiology

PHYS 202 Physics and the Computer (3) 3 lec to Physics on the Computer (4) 4 lec

PHYS 243 Introductory Modern Physics Lab (1) 1 lab (B.1.a.) to PHYS 340 Introductory Quantum Physics Laboratory I (1) 1 lab (B.1.a.) (description combined with PHYS 341, 342, B.1.a.)

PHYS 323 Optics (4) 3 lec 1 lab (B.1.a.) to (5) 4 lec 1 lab, mcf

PHYS 341, 342 Quantum Physics Lab I, II (1) (2) 1 lab, 2 lab to Quantum Physics Lab II, III

PHYS 405 Quantum Mechanics I (3) 3 lec to (4) 4 lec

STAT 313 Applied Experimental Design and Regression Models (3) 3 lec (B.2.) to (4) 4 lec (B.2.)

STAT 321 Statistical Analysis I (3) 3 lec (B.2.) to Probability and Statistics for Engineers and Scientists (4) 4 lec (B.2.)

STAT 322 Statistical Analysis II (4) 4 lec (B.2.) to Statistical Analysis for Engineers and Scientists (B.2.)

STAT 323 Analysis of Variance (3) 3 lec (B.2.) to Design and Analysis of Experiments I (4) 4 lec (B.2.)

STAT 324 Applied Regression Analysis (3) 3 lec (B.2.) to (4) 4 lec (B.2.)

STAT 330 Statistical Uses of Computers (3) 3 lec to (4) 3 lec 1 act

STAT 423 Linear Models (3) 3 lec to Design and Analysis of Experiments II

STAT 425 Probability Theory and Applications I (3) 3 lec to Probability Theory (4) 4 lec

STAT 426 Probability Theory and Applications II (3) 3 lec to Estimation and Sampling Theory (4) 4 lec

STAT 427 Mathematical Statistics (3) 3 lec to (4) 4 lec

STAT 513 Applied Experimental Design and Regression Models (3) 3 lec to (4) 4 lec

COLLEGE OF SCIENCE AND MATHEMATICS
1998 CATALOG COURSE CHANGES

CHANGED COURSES (continued)

ZOO 240 Human Anatomy and Physiology (5) 3 lec 2 act (B.1.b.) (replaces ZOO 237/238:B.1.b.)

(request for new mcf, former course did not have mcf)

ZOO 241 Human Anatomy and Physiology (5) 3 lec 2 act (B.1.b.) (replaces ZOO 237/239:B.1.b.)

(request for new mcf, former course did not have mcf)

ZOO 320 Fishery Resource Management (4) 4 lec (replacing CONS 320) (not B.1.b.) ZOO 340 Human

Muscle Anatomy (2) 1 lec 1 lab to (1) 1 lab

ZOO 423 Freshwater Fisheries Biology (4) 3 lec 1 lab (replacing CONS 422)

**UNIVERSITY CENTER FOR TEACHER EDUCATION
1998 CATALOG COURSE CHANGES**

NEW COURSES

None

DELETED COURSES

EDUC 582 Seminar in Educational Administration (4) 4 sem

EDUC 583 Advanced Educational Personnel Management and Evaluation (4) 4 sem

EDUC 584 School Management, Communication and Organizational Effectiveness (2) 2 sem

CHANGED COURSES

EDUC 300 Introduction to the Teaching Profession (3) supv to 2 lec 1 act

EDUC 510 Educational Finance and Resource Allocation (3) 3 sem to (4) 3 sem 1 act

EDUC 511 Educational Law and Governance (3) 3 sem to (4) 3 sem 1 act

EDUC 515 Educational Program Management and Evaluation (3) 2 sem 1 act to (4) 3 sem 1 act

EDUC 560 Counseling Theories and Assessment (4) 3 sem 1 act: No longer cross-listed with PSY 560

Proposed U.S. Cultural Pluralism Courses -- 1998 Catalog

	USCP	CC	AS
ART 316 Women as Subject and Object in Art History (4)	not approved	not approved	
CRP 215 Planning for Multiple Publics (4)	not approved	not approved	
CRP 402 History of Urban Design in North America (4)	not approved	not approved	
DANC X311 American Musical Dance Theatre GEB C3	approved	approved	
HIST X332 African American History to 1865	not approved	not approved	
HIST X333 African American History: 1865-Present	approved	approved	
HONORS 202 Ideology, Industrialization and Modernity (6)	withdrawn	----	----
HONORS 203 The Twentieth Century (6)	withdrawn	----	----
KINE 255 Personal Health: A Multicultural Approach (4) GEB E2	approved	approved	
POLS 310 Politics of Ethnicity and Gender (4)	approved	approved	
REC 127 Cross-Cultural Dimensions of Leisure (4)	not approved	not approved	

Courses Proposed for General Education & Breadth -- 1998 Catalog

	GEB Area	GEB Committee	Academic Senate
ART 317 Asian Art Survey (4) 4 lec	C3	Approved	
ART 318 Art History – Asian Art Topics: National, Religious & Intellectual Movements (4) 4 lec	C3	Approved	
BIO 207 Resource Survey (3) 2 lec 1 lab (replacing CONS 207; not GEB)	B1b	Disapproved	
BIO 227 Wildlife Conservation Biology (4) 4 lec (replacing CONS 120 Intro to Fish & Wildlife Mgt (3) 3 lec; not GEB)	B1b	Approved	
BIO 228 Wildlife Biology Laboratory (1) 1 lab	B1b	Approved	
BIO 301 Conservation and Environmental Science (4) 4 lec (replacing BIO 301 Human Ecology (3) 3 lec, GEB B1b, and CONS 311 Introductory Conservation (3) 3 lec, not GEB)	B1b	Approved	
CHEM 110 World of Chemistry – Essentials (4) 3 lec 1 lab (formerly CHEM X110)	B1a	Approved	
CHEM 111 Survey of Chemistry (5) 4 lec 1 lab (formerly CHEM X111 and replacing CHEM 121 & 122 (4)(4)	B1a	Approved	
CHEM 212 Survey of Organic Chemistry (5) 4 lec 1 lab (formerly CHEM X212 and replacing CHEM 326 (4)	B1a	Approved	
CHEM 313 Survey of Biochemistry & Biotechnology (5) 4 lec 1 lab (formerly CHEM X313 and replacing CHEM 328 Survey of Biochemistry (4)	B1a	Approved	
CHEM 337 Clinical Chemistry I (2) 2 lec (replacing lecture part of CHEM 335 Clinical Chemistry (3)	B1a	Approved	
CHEM 338 Clinical Chemistry I Lab (1) 1 lab (replacing lab part of CHEM 335)	B1a	Approved	
CHEM 351 Physical Chemistry I (3) 3 lec (was CHEM 301 Biophysical Chemistry (3)	B1a	Approved	
CHEM 352 Physical Chemistry II (3) 3 lec (was CHEM 302 Biophysical Chemistry (4)	B1a	Approved	
CHEM 353 Physical Chemistry III (3) 3 lec (was CHEM 307 Physical Chemistry (4)	B1a	Approved	
CHEM 371 Biochemical Principles (4) 3 lec 1 lab <u>to</u> (5) 4 lec 1 lab	B1a	Approved	
CRP 215 Planning for Multiple Publics (4) 4 lec	D4a	Disapproved	
CRP 402 History of Urban Design (3) 3 lec <u>to</u> History of Urban Design in North America (4) 4 lec	C3	Disapproved	
ENGL 114 (4) 4 lec <u>to</u> ENGL 115	A1	withdrawn	----
ENGL 339 Shakespeare (3) <u>to</u> (4) 4 lec	C3	Approved	
ENGL 353 Modern Drama in London <u>to</u> Drama in London	C3	Approved	

Courses Proposed for GEB – 1998 Catalog

	GEB Area	GEB Commlltee	Academic Senate
ES 230 Chicano/a Literature (3) <u>to</u> ES 300 (4) USCP	C3	Approved	
ES 320 American Cultural Images: (3) USCP African Americans; Asian Americans; Mexican Americans	D4a	Approved	
HONORS 101 Cultural Origins (6) 2 lec 1 act 3 sem	A1/C1	Withdrawn	-----
HONORS 102 Classical Expressions (6) 2 lec 1 act 3 sem	A2/C1	Withdrawn	-----
HONORS 103 Renaissance and Global Expansion (6) 2 lec 1 act 3 sem	A3/C2	Withdrawn	-----
HONORS 201 Colonization, Enlightenment and Revolution (6) 2 lec 1 act 3 sem	A4/D2	Withdrawn	-----
HONORS 202 Ideology, Industrialization and Modernity (6) 2 lec 1 act 3 sem	C1/D1/F	Withdrawn	-----
HONORS 203 The Twentieth Century (6) 2 lec 1 act 3 sem	D3/D4/E	Withdrawn	-----
HUM 403 Ethical Issues in Cyberspace (3) 3 lec	C3	Approved	
KINE 255 Personal Health: A Multicultural Approach (4) 3 lec 1 rec USCP	E2	Approved	
LS 211 The American Enterprise: The Birth of a Nation to the 1876 Centennial (5) 4lec 1act	C1/D1	Approved	
LS 212 The American Enterprise: The 1876 Centennial to the 21st Century (5) 4lec 1act	C1/D1	Approved	
MU 101 Intro. to Music Theory (3) 3 lec <u>to</u> (4) 3 lec 1 act	C2	Approved	
MU 221 Jazz Styles (3) 3 lec <u>to</u> (4) 3 lec 1 act	C2	Approved	
MU 324 Music and Society (3) 3 lec <u>to</u> (4) 3 lec 1 act	C3	Approved	
MU 328 Women in Music (3) 3 lec <u>to</u> (4) 4 lec	C3	Approved	
MU 329 Music of the 60s: War and Peace (3) 3 lec <u>to</u> (4) 4 lec (USCP)	C3	Approved	
POLS 210 American and California Government <u>to</u> POLS 110 (number change only)	D1	Approved	
POLS 370 Contemporary Global Political Issues <u>to</u> POLS 325 (number change only)	D4b.	Approved	
POLS 371 World Food Politics (3) 3 lec <u>to</u> POLS 326 (number change only)	D4b	Approved	

Courses Proposed for GEB – 1998 Catalog

	GEB Area	GEB Committee	Academic Senate
STAT 221 Introduction to Probability and Statistics (5) 5 lec (replacing STAT 211 (3) and STAT 212 (3))	B2	Approved	
STAT 313 Applied Experimental Design and Regression Models (3) to (4) 4 lec	B2	Approved	
STAT 321 Probability and Statistics for Engineers and Scientists (3) to (4) 4 lec	B2	Approved	
STAT 323 Design and Analysis of Experiments I (3) to (4)	B2	Approved	
STAT 324 Applied Regression Analysis (3) to (4) 4 lec	B2	Approved	
ZOO 240 Human Anatomy and Physiology (5) 3 lec 2 act (replacing ZOO 237 Human Anatomy (3) 2 lec 1 lab, and ZOO 238 Human Physiology (3) 2 lec 1 lab	B1b	Approved	
ZOO 241 Human Anatomy and Physiology (5) 3 lec 2 act (replacing ZOO 237 Human Anatomy (3) 2 lec 1 lab and ZOO 239 Human Physiology (3) 2 lec 1 lab	B1b	Approved	
ZOO 320 Fishery Resource Management (4) 4 lec (replacing CONS 320 (4) 3 lec 1 lab; CONS 320 not GEB)	B1b	Disapproved	

**1998 CATALOG PROPOSALS
APPROVED PENDING / DISAPPROVED
Recommendations from Academic Senate Curriculum Committee**

Degree Programs

1. **New Degree Program: MS Forestry Sciences**
Approved pending answers to resource questions.

College of Agriculture, New Courses

2. **FNR 412 Forest and Natural Resources Senior Assessment Project (4) 2 lec 2 lab**
Approved pending answers to further questions regarding Swanton Ranch.

College of Architecture, New Courses

3. **ARCH 462 Topics in Architectural Practice (2) 2 sem, max 6 units**
Disapproved: must be at least 4 units
4. **ARCH 472 Housing Design Concepts (3) 3 lec, max 6 units**
Disapproved: must be at least 4 units
5. **ARCH 521 Senior Architectural Design Project (5) 5 lab, max 15 units, mcf**
Approved pending the retention of ARCH 481 which will be taught simultaneously with ARCH 521.
6. **ARCH 592 Senior Design Thesis (3) 3 sem**
Approved pending the retention of ARCH 492 which will be taught simultaneously with ARCH 592.
7. **EDES 406 Sustainable Environments (3) 3 lec**
Disapproved: must be at least 4 units

College of Architecture, Deleted Courses

8. **ARCH 481 Senior Architectural Design Project (5) 5 lab**
Disapproved: undergraduates cannot be required to take graduate classes.
ARCH 481 will be taught simultaneously with ARCH 521.
9. **ARCH 492 Senior Design Thesis (3) 3 sem**
Disapproved: undergraduates cannot be required to take graduate classes.
ARCH 492 will be taught simultaneously with ARCH 592.

1998 CATALOG PROPOSALS
APPROVED PENDING / DISAPPROVED
Recommendations from Academic Senate Curriculum Committee
(continued)

College of Architecture, Changed Courses

10. **ARCE 325 Dynamics (4) 4 lec to (3) 3 lec**
Approved pending change to 200-level course.

College of Engineering, New Courses

11. **CPE 100 Computer Engineering Orientation (1) 1 sem CR/NC**
Approved pending signatures on revised course form.

SUMMARY OF PROGRAM PROPOSALS 1998 CATALOG

DEGREE PROGRAMS

① ***** New MS Forestry Sciences**

Approved by Academic Senate Curriculum Committee pending answers to resource questions.

*Change Name BS Agricultural Engineering to
BS Bioresource and Agricultural Engineering*

*Change Name BS Ornamental Horticulture to
BS Environmental Horticulture Science*

*Change Name BS Applied Art and Design to
BS Art and Design*

*Change Name BS Human Development to
BS Child Development*

*Change Name BS Physical Education to
BS Kinesiology*

*Change Name MS Physical Education to
MS Kinesiology*

Add "4 +1" Honors to BS Aeronautical Engineering

CONCENTRATIONS

New Studio Art Concentration (BS Art & Design)

New Mechatronics Concentration (BS Mechanical Engineering)

New Environmental Geography Concentration (BS Social Sciences)

New Pacific Rim Concentration (BS Social Sciences)

Discontinue Production and Operations Management Concentration (BS Business Administration)

Discontinue Urban Studies Concentration (BA Political Science)

Discontinue Teaching Concentration (BA Political Science)

SUMMARY OF PROGRAM PROPOSALS 1998 CATALOG

CONCENTRATIONS (continued)

*Change name Parks and Forest Recreation Concentration to
Natural Resources Recreation Concentration
(BS Forestry and Natural Resources, BS Recreation Administration)*

*Change name of Concentration:
Commercial and Corporate Fitness to Commerical/Corporate Health Promotion
(BS Physical Education to BS Kinesiology)*

*Change name of Concentrations
(BS Agricultural Science)
Agricultural Mechanics to Agricultural Engineering
Agricultural Products and Processing to Food and Fiber Science
Agricultural Supplies and Services to Agricultural Business
Animal Production to Animal Science
Ornamental Horticulture to Environmental Horticulture
Plant Production to Plant Science*

SPECIALIZATIONS

*Add Engineering Management Specialization to MS Engineering
(MBA/MS Engineering Management Specialization is an approved two-year
program. This is a request to create a one-year Engineering Management
Specialization under the existing MS Engineering)*

MINORS

*New Geographic Information Systems for Agriculture Minor
(Bioresource and Agricultural Engineering Department)*

*Relocate Values, Technology and Society Minor to
Humanities Program*

01.06.98

**Academic Senate Committee Vacancies
For 1997-1998**

<u>Academic Senate committees:</u>	<u># of vacancies/interested faculty</u>
Curriculum Committee	CSM vacancy
Library Committee	CLA vacancy
<u>University-wide committees:</u>	
Resource Use Committee	one vacancy 1997-1999

Shing-Sue 1.6.98



Position Available

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO, CALIFORNIA 93407

VICE PROVOST FOR ACADEMIC PROGRAMS AND UNDERGRADUATE EDUCATION

THE POSITION: Cal Poly seeks a dynamic leader for the position of Vice Provost for Academic Programs and Undergraduate Education. The Vice Provost plays a major role in promoting the unique educational environment of a polytechnic university and the best characteristics of an integrated, student-centered teaching and learning community. The Vice Provost provides effective leadership for all academic programs on campus, especially undergraduate, and has direct oversight responsibility for new program development, the Honors Program, the General Education Program, and program review, renewal, and accreditation. The Vice Provost is a key institutional leader in supporting faculty instructional development, articulating and implementing academic goals, and fostering greater seamlessness between academic and student affairs in such areas as learning outcomes, the "informal" curriculum, and service learning. As the University's primary liaison, the Vice Provost has responsibility for institutional and specialized accreditation. The Vice Provost has approval authority for student academic disqualification appeals and requests for curricular deviations. The Vice Provost has primary responsibility for the University catalog and interacts regularly with representatives of the California State University system office. The Vice Provost reports directly to the Provost and Vice President for Academic Affairs and directly supervises the staff of the Academic Programs Office. In addition, the Directors of the Writing Skills Program and the Global Affairs Office report to the Vice Provost.

QUALIFICATIONS: An earned doctorate or terminal degree in one of the instructional areas of the University. Distinguished academic background in teaching, scholarship, and service sufficient to warrant appointment as a full professor in an academic department of the University. Experience collaborating with faculty, students, and administrators in the design and delivery of academic programs within a strategic planning context. Evidence of a strong commitment to excellence in undergraduate education, graduate education, and professional studies, and fostering intellectual community.

Successful academic administrative experience preferably at the level of department head or above at a college or university. Experience and creativity in addressing contemporary curricular issues related to student-centered learning and technology, program assessment and accountability, telecommunication and distributed learning, and other challenges facing a comprehensive, polytechnic, public university. Demonstrated commitment to shared collegial governance and ability to develop cooperative working arrangements at all levels of the university. A positive record demonstrating sensitivity to and support for building a culture of diversity within the university. Superior communication and interpersonal skills.

COMPENSATION: Salary is commensurate with the background and experience of the individual selected. Cal Poly offers excellent fringe benefits. All rights associated with appointment are governed by the Management Personnel Plan adopted by the CSU Board of Trustees. Position is classified as Administrator IV, 12-month.

APPLICATIONS AND NOMINATIONS: Each application should include a current resume; the names, addresses, and telephone numbers of at least three professional references; and a letter providing some detail of the applicant's qualifications and interest in the position. The preferred starting date is July 1, 1998. The position will remain open until filled, however, applicants are encouraged to submit materials by February 23, 1998. Applications, nominations, and inquiries should reference recruitment code 8M070 and be addressed to:

Dr. Paul J. Zingg

Provost and Vice President for Academic Affairs

c/o Academic Personnel Office

California Polytechnic State University

San Luis Obispo, CA 93407

Phone: (805) 756-2844

Fax: (805) 756-5185

E-mail: AcademicPersonnel@polymail.calpoly.edu

Heins - Exec 1.6.98

MEMORANDUM

Date: January 6, 1998 cc:
To: All Full-Time Faculty
From: Anny Morrobel-Sosa, Chair
Academic Senate
Subject: Consultative Committee for Vice Provost for Academic Programs and Undergraduate Education

The Academic Senate is seeking four full-time faculty members interested in serving on the above named search committee. The full committee will be formed by the end of January 1998, and it will start reviewing applications at the end of February. The committee is anticipated to meet once a week (twice a week during interviews) during winter and spring quarters, and the start date for the position is July 1, 1998.

If you are interested in serving on this committee, please send the following information to mcamuso@calpoly.edu or Margaret Camuso at the Academic Senate office (38-143):

"I, _____ (please print) _____, am a full-time faculty member in the department of _____, college of _____. I am interested in serving on the Consultative Committee for Vice Provost for Academic Programs and Undergraduate Education. I can be reached at my office phone number _____ or my email address _____."

YOUR RESPONSE MUST BE RECEIVED IN THE ACADEMIC SENATE OFFICE BY FRIDAY, JANUARY 16, 1998 IN ORDER TO BE CONSIDERED.

Memo - 1.6.98

RECEIVED

DEC 22 1997

PROVOST AND
VICE PRESIDENT
ACADEMIC AFFAIRS

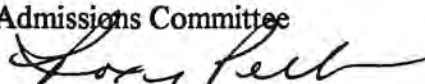
Cal Poly Memorandum

Date: Dec. 22, 1997

To: Paul Zingg
Provost & Vice President for Academic Affairs

copies: DAAC

From: Dean's Advisory Admissions Committee
Roxy Peck, Chair



Subject: MCA Recommendation for 1998 Admission Cycle

The Dean's Advisory Admissions Committee has studied possible short-term modifications to the MCA admissions process that might enable Cal Poly to enroll an entering freshman class that would reflect more closely the socio-economic diversity of the applicant pool than would a straight 100% academic run. Although the time available for completion of this study was limited, the DAAC was able to examine a several possible models and assess impact of these models on a number of programs thought to be representative of those at Cal Poly. A summary of the work completed by the DAAC and its MCA workgroup has been provided in a separate memo.

At its meeting of Dec. 16, 1997, the DAAC approved the following recommendations unanimously.

Recommendations:

1. The 60% straight academic run be maintained.
2. The minimum qualifications and college minimum MCA scores be maintained at their current levels.
3. For the 1998 admissions cycle, bonus points be awarded based on family income, mother's educational level, and father's educational level as follows:

Family Income	250 points if family income is below \$36,000 (the lowest two income groups)
Mother's Education	500 points if mother has not completed high school (the lowest two educational categories)
Father's Education	500 points if father has not completed high school (the lowest two educational categories)

- commit to intention of current MCA
- color + gender blind
- socio-econ factors
- to be carefully monitored
- modest approach

4. A more thorough and less hurried study of MCA admissions models should be undertaken and the Fall 1998 admissions cycle be assessed prior to making decisions about adjustments to the MCA for subsequent years.
5. Retention of students admitted under the proposed MCA model should also be examined over the subsequent year.

Tables 1 - 3 (attached) show the distribution of family income and parental education for the applicant pool, as well as the distribution of admitted students under a 100% academic run and using the proposed model, for three of the programs examined. These results were typical of the ten programs studied by the DAAC.

Table 1

App. Pool 100% Academic 250/500/500

Income

1	19.32	11.76	16.04
2	11.44	5.35	7.49
3	8.96	7.49	8.56
4	10.20	12.83	12.30
5	9.74	12.83	10.16
6	24.88	33.69	29.41

MomEd

1	11.18	2.73	9.34
2	3.29	0.55	2.20
3	13.49	12.57	12.09
4	19.90	20.77	20.33
5	10.36	9.84	8.24
6	23.52	26.78	25.82
7	18.26	26.78	21.98

DadEd

1	9.58	2.21	9.39
2	3.70	0.55	4.97
3	12.61	8.29	8.29
4	13.45	9.94	7.73
5	6.72	6.63	4.97
6	25.38	29.83	29.83
7	26.57	42.54	34.81

Table 2

App. Pool 100% Academic 250/500/500

Income

1	18.69	12.50	19.20
2	7.70	6.50	6.25
3	9.27	8.93	8.93
4	8.84	9.82	6.25
5	7.85	11.16	10.27
6	28.25	35.71	32.59

MomEd

1	6.58	3.64	6.45
2	4.59	2.73	4.61
3	12.10	12.27	10.60
4	19.14	17.27	15.67
5	11.49	10.00	8.29
6	29.40	31.36	31.80
7	16.69	22.73	22.58

DadEd

1	5.85	2.83	7.58
2	3.00	1.42	3.79
3	8.85	7.55	8.06
4	11.53	9.43	8.53
5	7.90	7.55	5.21
6	31.44	31.13	30.33
7	31.44	40.09	36.49

Table 3

App. Pool 100% Academic 250/500/500

Income

1	17.38	12.50	15.91
2	11.37	10.98	12.12
3	9.01	9.85	9.85
4	7.51	5.68	6.06
5	9.87	10.61	10.23
6	30.90	35.61	31.06

MomEd

1	11.76	8.49	12.84
2	5.43	3.09	5.06
3	11.76	11.58	9.73
4	16.74	16.22	15.56
5	11.31	12.36	10.12
6	27.60	29.73	29.57
7	15.38	18.53	17.12

DadEd

1	10.47	7.91	11.55
2	4.42	3.16	3.98
3	9.77	7.11	7.17
4	13.26	11.86	11.55
5	5.58	5.14	4.78
6	26.98	29.25	28.69
7	29.53	35.57	32.27