

General Curriculum Report #216

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE

May 11, 2001

To: MEMBERS OF THE UNIVERSITY OF IDAHO FACULTY

The items listed below, approved by the University Curriculum Committee, will be considered to have the necessary faculty approvals unless a petition requesting further consideration of specific items is signed by five faculty members and submitted to the chair of the Faculty Council within 14 calendar days after the date of circulation. If no petition is received within 14 days, the entire report will be submitted to the president for approval and transmittal to the regents, if regents action is required. If a petition is received, the items in the report for which further consideration is requested will be referred to the Faculty Council and the remainder of the report will move forward. On items referred to it, the council may: (1) affirm the action and report it to a meeting of the university faculty, (2) amend the action and report it to a meeting of the university faculty, or (3) rescind the action. NOTE: If a petition concerns courses or curricula in the College of L & S or in the College of Agriculture, and is signed by five faculty members of the respective college, those items will be returned to the college concerned for further consideration.

NOTE: A petition was received concerning two civil engineering items on General Curriculum Report #214, dated December 1, 2000. Discussion between the Departments of Civil Engineering and English and action by Faculty Council and UCC has resulted in:

- (1) Withdrawing item #5 (changing the major in civil engineering by deleting Engl 317 and adding Comm 101) and
- (2) Reaffirming item #1 (changing the description of CE 372 by deleting the corequisite of Engl 317, effective Summer 2001).

COLLEGE OF LAW

Add **Law 914 (s) Dispute Resolution** (1 cr, max 3). As part of the Northwest Institute for Dispute Resolution, the College offers one or two courses each year that examine discreet areas of dispute resolution. [Spring 2002]

COLLEGE OF NATURAL RESOURCES

Add **NR 402 GIS Applications in Natural Resources** (1 cr). Application of GIS principles to natural resource problems. Topics include GIS/GPS integration, habitat inventory, site suitability studies, risk assessment, sources of spatial data, map accuracy, etc. ArcView software and extensions will be used in hands on exercises. Four hrs/week for six weeks. Prereq: Geog 385 or perm. [Summer 2001]

ADULT, COUNSELOR, AND TECHNOLOGY EDUCATION

Change the major of Industrial Technology (B.S.Tech.) to read [Summer 2002]:

INDUSTRIAL TECHNOLOGY (B.S.Tech.)

BLaw 265 Legal Environment of Business or ITED 443 Government Contract Law (3 cr)
Bus 311 Introduction to Management (3 cr)
Bus 370 Production/Operations Management or ME 410 Production Engineering or CE 482 Project Engineering (3 cr)
Bus 441 Labor Relations or ITED 446 Labor Law (3 cr)
Bus 456 Quality Management or ITED 434 Quality Assurance Organization & Mgmt (3 cr)
BuEd/ITED 415 Microcomputer Applications (3 cr)
BuEd/ITED 460 Desktop Publishing (3 cr)
Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I (4 cr)
Engr 105 Engineering Graphics (2 cr)
Engl 317 Technical and Engineering Report Writing (3 cr)
ITED 130 Basic Electronics (4 cr)
ITED 238 Digital Electronics or ITED 333 Computer Electronics (3 cr)
ITED 265 Computer Aided Drafting/Design (2 cr)
ITED 270, 370, 470 Technical Competence and/or ITED 490, 491, 492 Adv Technical Competence and/or approved technical electives (29 cr)
ITED 328 Computer Operating Systems for Technology (4 cr)
ITED 380 Computer Numerical Control Manufacturing (4 cr)
ITED 450 Industrial Safety (3 cr)
ITED 475 LAN Technology (4 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry or Math 160 Survey of Calculus or Math 170 Analytical Geometry & Calculus I (3-4 cr)
Phys 100 Fundamentals of Physics or Chem 112 Principles of Chemistry II (4 cr)
Phys 111, 112 General Physics I-II or Phys 211, 212 Engineering Physics I-II (8 cr)
Psync 101 Introduction to Psychology (3 cr)
Stat 251 Principles of Statistics or 301 Probability and Statistics (3 cr)
Technical Specialization block, see dept for course options (16 cr)

Electives to total 134 credits for the degree

And 30 credits in one of the technical specialization blocks. For a listing of the specific courses required in each of these blocks, consult the chair of the department.

The minimum number of credits for the degree is 134.

Technical Specialist Blocks. *Moscow campus:* manufacturing technology, computer electronics and industrial instrumentation technology, computer management technology, industrial generalist technology. *Idaho Falls campus:* industrial safety technology, quality technology, network and computer electronics, ~~nuclear operations technology~~, mechanical design technology, generalist, waste management.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

Change of course number and description for AgEc 470. [Summer 2002]

AgEc 470 ~~371~~ Public Law and Policy Analysis (3 cr). Course available only to students at off-campus locations. ~~Constitutional, administrative, and historical foundations of federal natural resources law and related public policy; applicable case law emphasizing water, range, mineral, wildlife, and recreation resources. Policies guiding the homesteading and economic development of western states; laws and policies guiding the regulation and use of water grazing, timber, and mineral resources. The significance of the Prior Appropriations Doctrine behind its familiar role in water law and policy is emphasized.~~ Prereq: ~~perm~~ Econ 202 or equivalent.

ART

1. Add **Art 110 Visual Communication** (2 cr). The principles and elements of two and three-dimensional design with application and analysis of these elements in our visual world. [Summer 2002]
2. Change credit hours, description, and prereqs of Art 111 and 112 to read [Summer 2002]:

Art 111-~~112~~ Drawing I-II (3 2 cr). Freehand drawing; emphasis on expressive use of materials. ~~One lec and 4 hrs of studio~~ Two 2-hour studios a wk. Prereq ~~for Art 112: Art 111~~ or coreq: Art 110.

Art 112 Drawing II (3 cr). Freehand drawing; emphasis on expressive use of materials. Two 3-hour studios a wk. Prereq: Art 111.

3. Change title, credits and description of Art 121 and 122 to read [Summer 2002]:

Art 121-~~122~~ Visual Communication and the Design Process Design Process I (3 2 cr). Intro to visual communication and design process; studio problems to familiarize students with basic design process, elements of design and individual design criteria as related to traditional and experimental concepts of visual communication; studio problems explore basic design through the two- and three-dimensional production, experiences, readings, and written analysis. ~~One lec and two~~ Two 2-hr studios a wk and assigned work; attendance at outside events (lecs, symposiums, Prichard and Univ Gallery openings). Prereq or coreq: Art 110.

Art 122 Design Process II (3 cr). Intro to visual communication and design process; studio problems to familiarize students with basic design process, elements of design and individual design criteria as related to traditional and experimental concepts of visual communication; studio problems explore basic design through the two- and three-dimensional production, experiences, readings, and written analysis. Two 3-hr studios a wk and assigned work; attendance at outside events (lecs, symposiums, Prichard and Univ Gallery openings). Prereq or coreq: Art 110.

BIOLOGICAL AND AGRICULTURAL ENGINEERING

1. Change the number of credits for **ASM 304 Agricultural Fluid Power** from 1 to 2 credits. [Summer 2002]
2. Change the major requirements in **Ag Systems Management (B.S.A.S.M.)** from AgEc 278 Principles of Farm & Ranch Mgmt (4 cr) and AgEc 391 Agribusiness Mgmt (3 cr), to AgEc 278 or AgEc 391. In addition, add Upper division elective in AgEc or Business (3 cr). [Summer 2002]

BIOLOGICAL SCIENCES

Change description of Zool ID-J411/ID-J511 to read [Summer 2001]:

Zool ID-J411/ID-J511 Comparative Vertebrate Reproduction (3 cr). WSU Zool 451/551. Physiology of major events in reproductive cycles of vertebrates with emphasis on ~~mammals~~ nonmammalian vertebrates. Cr earned in Zool 511 by completion of additional reading in journals, take-home exam with each hr exam, and term paper. Prereq: Biol 202.

COMMUNICATION

1. Change the title and description of Comm 270 to read [Summer 2002]:

Comm 270 ~~Broadcast Commercial Writing/Production~~ Digital Audio Production and Announcing (3 cr). ~~Basic principles of writing and production of commercials in broadcast, with emphasis on radio production/announcing and writing techniques for all electronic media~~ introduction to audio principles and techniques, with emphasis on digital technologies for radio, TV, film, and music recording. Prereq: Comm 121.

2. Change title and description of Comm 275 to read [Summer 2002]:

Comm 275 Introduction to Video/Television & Digital Media Production (3 cr). ~~Introduction to art and craft of video production; emphasis on aesthetics of visual image and process of video production; work with 1/2" video equipment for field assignments; learn how TV programs are produced in the studio by working at the KUID TV studio during labs. Two lec and 3 hrs of lab a wk various broadcast media-related production environments. Emphasis on aesthetics of story telling through visual imagery, sound, and associated processes of production covering scripting, directing, and editing. Work with both analogue and digital equipment for field and studio assignments.~~

3. Change title and description of Comm 276 to read [Summer 2002]:

Comm 276 Intermediate ~~Video~~ Electronic/Digital Media Production (3 cr). ~~Continuation of Comm 275; involves students in more professional-level work with more emphasis on details of writing, lighting, computerized editing, and packaging the video product; work with 3/4" SP field packages; producing news packages, magazine features, and music videos. Two lec and 3 hrs of lab a wk; field trips~~ broadcasting work with an emphasis on digital media production. Including: creative scriptwriting, camera techniques, composition, lighting, sound, graphic animation, and non-linear editing. Students will primarily use digital based equipment to produce TV news features, documentary, narrative cinema, and commercial advertising. Prereq: Comm 275.

4. Drop **Comm 277 Introduction to Non-linear Video Editing** (3 cr). [Summer 2002]

5. Change title of **Comm 374 Broadcast News ~~writing and Reporting~~** (3 cr). [Fall 2001]

6. Change title, description, and prerequisites of Comm 375 to read [Summer 2002]:

Comm 375 ~~Video~~ Broadcast Television and Studio Program Production (3 cr). ~~Development, planning, budgeting, and execution of television productions; development of professional techniques. Field trips and breakdown of broadcast TV and series proposals. Live studio production of news and TV magazine formatted programming aired on UTV regional cable channel 8. Studio/field production, writing, producing, directing, and editing of story feature packages primarily on digital based equipment. Perform all aspects of studio operation and techniques.~~ Prereq: Comm 275, 276.

7. Change title, description, and prerequisites of Comm 475 to read [Summer 2002]:

Comm 475 Advanced ~~Video~~ Electronic/Digital Media Thesis Production (3 cr). ~~Basic production theory, lighting, composition, sound; producing and directing; practice in a variety of television production forms. Field trips. Thesis production and program content development for television, documentary, and narrative cinema. Combines advanced techniques, aesthetics, and craft of the overall broadcast production disciplines. Projects will be produced primarily within the digital environment. Final thesis work will be showcased at annual film festival.~~ Prereq: Comm 275, 276, 375.

8. Change title of **Comm 476 Advanced Broadcast News ~~Writing/Production~~** (3 cr). [Fall 2001]

9. Add **Comm 478 Broadcast/Cable Programming** (3 cr). Introduction to program development, theory and scheduling, with emphasis on the regulations and strategies involved in radio, television, and cable programming at both the national and local levels. Prereq: Comm 111, 121. [Spring 2002]

ENGLISH

1. Change the descriptions of Engl 291 and Engl 292 to read [Fall 2001]:
Engl 291 Creative Writing: Poetry (3 cr). Intro to techniques of writing poetry. ~~Graded P/F.~~
Engl 292 Creative Writing: Fiction (3 cr). Intro to techniques of writing fiction. ~~Graded P/F.~~
2. Change the description and prerequisite of Engl 313 to read [Fall 2001]:
Engl 313 Business Writing (3 cr). ~~Principles of clear writing related to business style; correspondence and reports; form, content, and style. Principles and practice in writing business correspondence, memoranda, and reports that employ conventions, tone, and style appropriate to the specific discourse situation. Recommended for students with some business background or upper-level standing.~~
Prereq: Engl 102 or equiv; ~~jr soph standing or perm.~~
3. Change the title of **Engl 317 Technical and Engineering Report Writing** (3 cr). [Fall 2001]
4. Change title and description of of Engl 505 to read [Fall 2001]:
Engl 505 (s) Workshop Composition Pedagogy and Practice (~~en-arr 3 cr~~). May be graded P/F. Introduction to composition theory with emphasis on pedagogical concepts and practices essential to teaching college-level writing. Prereq: perm.
5. Change title and description of Engl 506 to read [Fall 2001]:
Engl 506 Language and Teaching of Writing Rhetoric and Composition: History, Theory, and Research (3 cr). ~~Linguistic, rhetorical, stylistic, and pedagogical concepts essential to teaching college-level writing. Critical examination of theory, pedagogy, and research in composition studies.~~
6. Add **ENGL 581 Techniques of Poetry** (3 cr). A substantial and highly analytical examination of the art and craft of poetry, from a writerly perspective. [Spring 2002]
7. Add **ENGL 582 Techniques of Fiction** (3 cr). A substantial and highly analytical examination of the art and craft of fiction, from a writerly perspective. [Spring 2002]
8. Add **ENGL 583 Techniques of Nonfiction** (3 cr). A substantial and highly analytical examination of the art and craft of nonfiction, from a writerly perspective. [Spring 2002]

ENVIRONMENTAL SCIENCE

1. Add **EnvS J409/J509 Principles of Environmental Toxicology** (3 cr). See FST J409/J/509. [Spring 2002]
2. Add **EnvS J412/J512 The Making of a Habitable Planet** (3 cr). See Geol J412/J512. [Spring 2002]

FAMILY AND CONSUMER SCIENCES

1. Change the title of FCS 170 and cross-list with FST [Spring 2002]:
FCS 170 ~~Introductory Foods~~ Food: Science and Practice (3 cr). Same as FST 170. Fundamental processes underlying food preparation with emphasis on physical and chemical aspects. Two lec and one 3-hr lab a wk. Prereq: 3 cr of **Chem 101** or **111**.
2. Change the title and prerequisites of FCS 424 to read [Summer 2002]:
FCS 424 ~~Apparel Design III~~ Aesthetics for the Apparel Professional (3 cr). Pattern creation through draping method; application of computer skills in designing apparel for target groups. One lec and 5 hrs of lab a wk. Prereq: FCS ~~324~~ 119, 223, 224 or perm.
3. Add **FCS J434/J534 Adulthood and Aging within the Context of Family** (3 cr). Analysis of development from young adulthood to old age. Includes factors that influence changes as well as continuity in physical, emotional, social, cognitive, and creative development. Overview of theories of human development and current issues in aging, including dementia, family and lifestyle choices, relationships, retirement, and grandparenting. Requirements for graduate credit include conducting a review of literature in a chosen topic and presenting it to the class. Prereq: FCS 105, jr standing. (Alt/hrs). [Spring 2002]
4. Add **FCS 435 Feeding Young Children in Group Settings** (1 cr). This course increases awareness concerning the best practices in feeding young children. Practical, hands-on activities and assignments are included in the course through videotapes and the course website, <http://www.aee.uidaho.edu/feeding>. Graded P/F. [Spring 2002]

5. Add **FCS 461 Method & Strategies in FCS Education** (3 cr). Changing family and societal conditions and enhancing teaching and learning processes are addressed in this course. A focus is integration of professional-technical concepts and the development of classroom presentation skills. Prereq: FCS 450. [Spring 2002]
6. Change title of **FCS 488 ~~Food Service Management Practicum~~ Management Supervised Practice II** (6 cr). [Spring 2002]
7. Add **FCS 508 Helping Skills in Family and Consumer Sciences** (3 cr). Using the Skilled Helper Model, students apply the model in working with families and clientele in FCS occupations. [Spring 2002]

FISH AND WILDLIFE RESOURCES

1. Drop **WLF 305 Field Research in Wilderness Ecology** (3 cr). [Summer 2001]
2. Change the prerequisite of **WLF 497** to read [Summer 2002]:
Prereq: cumulative GPA of at least ~~3.5~~ 3.2 in all college courses, completion of at least 90 credits, and permission of a faculty mentor.
3. Change the prerequisite of **Fish 497** to read [Summer 2002]:
Prereq: cumulative GPA of at least ~~3.5~~ 3.2 in all college courses, completion of at least 90 credits, and permission of a faculty mentor.
4. Add **Fish 513 Aquatic Restoration Ecology** (3 cr). A review of the response of impacted lake, stream, and wetland ecosystems to rehabilitation and restoration. Theory and working examples of each will be addressed. (Alt/yrs, Spring only). [Spring 2002]

FOOD SCIENCE AND TOXICOLOGY

1. Drop **FST 101 Introduction to Food Science** (3 cr). [Summer 2002]
2. Add **FST 170 Food: Science and Practice** (3 cr). See FCS 170. [Spring 2002]
3. Drop **FST ID&WS201 Food Quality Assurance** (3 cr). [Summer 2002]
4. Drop **FST ID210 The Science of Viticulture and Enology** (2 cr). [Summer 2002]
5. Add **FST ID220 Food Safety and Quality** (3 cr). WSU FSHN 220. Regulation, safety, and wholesomeness of food products; microbiological, chemical, and physical risks associated with food; hazard analysis as related to food safety, processing and quality; sanitation and pest management principles; methods for analyzing the sensory qualities of food products; problem management associated with food quality assurance. Prereq: FST 170 or FCS 170. [Spring 2002]
6. Drop **FST ID&WS-J422/ID&WS-J522 Food Quality Evaluation** (3 cr). [Summer 2002]
7. Add **FST J464/J564 Food Toxicology** (3 cr). General principles of toxicologic evaluation of chemicals, which intentionally or unintentionally enter the food chain. Toxicology of food additives, colors, preservatives, drugs, pesticides and natural toxins in foods and risk characterization. Additional projects/assignments reqd for grad cr. Prereq: MMBB 300 or 380. [Spring 2002]
8. Change the Food Science (B.S.F.S.) major and minor requirements to read [Summer 2002]:

FOOD SCIENCE (B.S.F.S.)

First and Second Years

~~FST 101 Introduction to Food Science~~ (3 cr)

ASM 240 Computer Applications in Biological Systems (3 cr)

Biol 100 Introduction to Biology (4 cr)

Chem 111 Principles of Chemistry I (4 cr)

Chem 113 Inorganic Chemistry and Qualitative Analysis (5 cr)

Chem 275, 276 Carbon Compounds and Lab (4 cr)

Comm 101 Fundamentals of Public Speaking (2 cr)

Econ 202 Principles of Economics (3 cr)

~~FCS 170 Introductory Foods~~, **FST 170 Food: Science and Practice** (3 cr)

FST 220 Food Safety and Quality (3 cr)

MMBB 250 General Microbiology (5 cr)

Phys 111 General Physics I (4 cr)

Two courses chosen from **Math 160, 161, 170, and 175** (7-8 cr)

Third and Fourth Years

FST 303 Food Processing (3 cr)
FST 400 Seminar (1 cr)
FST 416, 417 Food Microbiology and Lab (4 cr)
~~FST 422 Food Quality Evaluation (3 cr)~~
FST/ASM 433, 434 Agricultural Processing Systems and Lab (4 cr)
FST 450 Food Fermentations or FST 464 Food Toxicology (3 cr)
FST 460, 461 Food Chemistry and Lab (4 cr)
FST 462 Food Analysis (4 cr)
FST 470 Advanced Food Technology (3 cr)
FST commodity electives (FST 264, 301, ~~302~~, 304, ~~or 363, or 474~~) (5-6 cr)
Engl 317 Technical and Engineering Report Writing (3 cr)
FCS 205 Concepts in Human Nutrition (3 cr)
MMBB 380 Introductory Biochemistry or 300 Survey of Biochemistry (3-4 cr)
Stat 251 Principles of Statistics (3 cr)
Electives to total ~~129-131~~ 128 credits for the degree

FOOD SCIENCE MINOR

~~FST 101 Introduction to Food Science (3 cr)~~ FST 170 Food: Science and Practice (3 cr)
FST 303 Food Processing (3 cr)
FST 400 Seminar (1 cr)
FST 416, 417 Food Microbiology and Lab (4 cr)
FST 460 Food Chemistry (3 cr)
Additional courses in food science (FST) (4 cr)

FOREIGN LANGUAGES AND LITERATURES

1. Add FLEN 395 Culture and Institutions of Latin America (3 cr). Credit may be earned in either FLEN 395 or SPAN 306. [Summer 2001]
2. Change prerequisite for SPAN 302 to read [Summer 2002]:
SPAN 302 Advanced Composition (3 cr). Recommended for prospective teachers of Spanish. Prereq: ~~Span 301~~ Span 202 or perm.
3. Add SPAN 311 Readings: Hispanic News Via Internet (3 cr). Prereq: Span 302 or perm. [Summer 2001]
4. Add SPAN 312 Readings: Hispanic Literatures of the U.S. (3 cr). Prereq: Span 302 or perm. [Summer 2001]
5. Change title and prerequisite of SPAN 401 [Summer 2002]:
SPAN 401 ~~Survey of Early Spanish Literature~~ Readings: Spanish Literature (3 cr). Prereq: Span ~~301~~ or 302, or perm.
6. Change title and prerequisite of SPAN 402 [Summer 2002]:
SPAN 402 ~~Survey of Modern Spanish Literature~~ Readings: Spanish American Literature (3 cr). Prereq: Span ~~301~~ or 302, or perm.
7. Drop SPAN 407 Survey of Early Spanish American Literature (3 cr). [Summer 2001]
8. Drop SPAN 408 Survey of Modern Spanish American Literature (3 cr). [Summer 2001]
9. Drop SPAN 414 Spanish Long Fiction (3 cr). [Summer 2001]
10. Drop SPAN 415 Spanish American Long Fiction (3 cr). [Summer 2001]
11. Drop SPAN 416 Ecuador: Culture/Literature (3 cr). [Summer 2001]
12. Drop SPAN 417 Modern Hispanic Poetry (3 cr). [Summer 2001]
13. Drop SPAN 418 Modern Chilean Fiction (3 cr). [Summer 2001]
14. Change the prerequisite for SPAN 303, 305, 306, 308, 309, 310, 400, 404, 412, 413 to read [Summer 2002]:
Preq: Span ~~301 and/or~~ 302 or perm.

15. Change the requirements in the following major/minors to read [Summer 2001]:

SPANISH (B.A.)

Span 101-102 Elementary Spanish I-II (or equivalent) (8 cr)
Span 201-202 Intermediate Spanish I-II (or equivalent) (8 cr)
~~Span 301 Advanced Grammar (3 cr)~~
Span 302 Advanced Composition (3 cr)
Span 305 Culture and Institutions of Spain (3 cr)
Span 306 Culture and Institutions of Latin America (3 cr)
Upper-division courses in Spanish language (9 credits must be 400 level) (~~42~~ 15 cr)
A second foreign language (elem and interm, or equivalent), waived for students with a double major (FL&L plus another major) (16 cr)
Related fields (as approved by chair) (16 cr)

A maximum of 3 credits in FLEN 391, 393, or 394 may be counted toward a major in Spanish.

FOREIGN LANGUAGES (B.A.)

One foreign language, elementary and intermediate (16 cr)
Third-year language courses (Fren 301-302, Germ 321-322, Latn 365-366, Span ~~301-302-308~~) (6 cr)

SPANISH MINOR

Span 101-102 Elementary Spanish I-II (8 cr)
Span 201-202 Intermediate Spanish I-II (8 cr)
Span ~~301~~ or 302 Adv Grammar or Composition (3 cr)
Upper-div courses in Spanish (not incl lab-based and lit in translation courses) (6 cr)

FOREST RESOURCES

Move the following courses to the dormant list [Summer 2001]:

- For 405 Professional Development (cr arr)
- For 432 Tree Physiology (3 cr)
- For 465 Forest Protection (2 cr)
- For 478 Western Forestry Practices (1 cr)
- For 494 Models for Resource Decisions (4 cr)
- For J495/J595 International Wildland Management (1-3 cr, max 3)
- For 575 Advanced Forest Management (2 cr)
- For 577 Macro-forestry Management Analysis (2 cr)

GEOLOGICAL SCIENCES

1. Change prereq of Geol/GeoE 410 to read [Summer 2002]:
GeoE 410 Techniques of Groundwater Study (3 cr). Same as Geol 410. Collection and analysis of field data for reconnaissance groundwater studies. Two weekend field trips. Prereq ~~or coreq~~: [Geol/GeoE 309](#).
2. Add **Geol J412/J512 The Making of a Habitable Planet** (3 cr). Same as EnvS J412/J512. The habitability of planet earth derives from a long history originating with the origin of the universe. This class will look at the origin and evolution of our planet and culminate with human's impact on the terrestrial environment. Grad credit will require additional design, educational, or research project. Prereq: One semester of college chemistry. [Spring 2002]
3. Drop **Geol 553 Chemical Petrology** (3 cr). [Summer 2002]

HEALTH, PHYSICAL EDUCATION, RECREATION, AND DANCE

Add **Dan J212/J412/J512 Dance Theatre Choreography** (1 cr, max 6). Independent work on intermediate and advanced levels of choreography leading to mainstage performance with Dance Theatre. Develop and refine practical skills as well as personal approaches. Additional projects for graduate credit include a research paper and oral presentation of a choreographic analysis of a minimum of two works by major choreographers in the appropriate genre; demonstrated evidence of a personal choreographic voice; demonstrated ability to integrate choreographic principles at an advance level. Prereq: perm. [Spring 2002]

MATERIALS, METALLURGICAL, MINING, AND GEOLOGICAL ENGINEERING

1. Add **GeoE 362 Fundamentals of Geotechnical Engineering** (4 cr). See CE 360. [Summer 2001]
2. Add **GeoE 462 Geotechnical Engineering Design** (3 cr). See CE 460. [Summer 2001]
3. Create a new subject prefix of MSE and add the following cross-listed courses and standard numbered courses [Summer 2002]:

New cross-listed courses:

MSE 201 Elements of Materials Science (3 cr). Same as Met 201.
MSE 202 Microstructural Evaluation (2 cr). Same as Met 202.
MSE 313 Physical Metallurgy I (4 cr). Same as Met 313.
MSE 316 Physical Metallurgy II (3 cr). Same as Met 316.
MSE ID341 Particulate Materials Processing (4 cr). Same as Met ID341.
MSE 344 Hydroprocessing of Materials (4 cr). Same as Met 344.
MSE ID407 Materials Fabrication (3 cr). Same as Met ID407.
MSE J410/J510 Plasma Processing of Materials (3 cr). Same as Met J410/J510.
MSE 414 Process Design (3 cr). Same as Met 414.
MSE ID415 Materials Selection and Design (3 cr). Same as Met ID415.
MSE J416/J516 Magnetic Materials (3 cr). Same as Met J416/J516.
MSE 417 Instrumental Analysis (3 cr). Same as Met 417.
MSE ID-J421/J521 Light Metals (3 cr). Same as Met ID-J421/J521.
MSE J423/J523 High Temperature Corrosion (3 cr). Same as Met J423/J523.
MSE J425/J525 Electronic Materials (3 cr). Same as Met J425/J525.
MSE J427/J527 Advanced Ceramics (3 cr). Same as Met J427/J527.
MSE ID-J429/J529 Melting, Casting, and Powder Metallurgy (3 cr). Same as Met ID-J429/J529.
MSE 442 Pyroprocessing of Materials (4 cr). Same as Met 442.
MSE 450 Digital Data Storage Systems (3 cr). Same as EE 450.
MSE 463 Mechanics of Materials Processing (3 cr). Same as ME ID463.
MSE 480 Transmission Electron Microscopy of Materials (3 cr). Same as Met 480.
MSE 486 Solid-State Electronics (3 cr). Same as EE 486.
MSE 514 Phase Rule and Phase Relations (3 cr). Same as Met 514.
MSE 517 Kinetics of Metallurgical Reactions (3 cr). Same as Met 517.
MSE 518 Advanced Mechanical Metallurgy (3 cr). Same as Met 518.
MSE 520 Advanced Rate Phenomena in Metallurgical Engineering (3 cr). Same as Met 505.
MSE 528 Advanced Engineering Ceramics (3 cr). Same as Met 528.
MSE 533 Advanced X-ray Diffraction (3 cr). Same as Met 533.
MSE R534 Radiation Effects in Materials (3 cr). Same as Met R534.
MSE 535 Failure of Structural Materials (3 cr). Same as Met R535.
MSE 536 Mechanics of Composite Materials (3 cr). Same as ME ID&WS534
MSE 539 Advanced Mechanics of Materials (3 cr). Same as ME 539.
MSE 563 Solid State Physics (3 cr). Same as Phys ID&WS563.

Set up the following standard numbered courses:

MSE 400 Seminar
MSE 404 Special Topics
MSE 498 Internship
MSE 499 Directed Study
MSE 500 Master's Research and Thesis
MSE 501 Seminar
MSE 502 Directed Study
MSE 504 Special Topics
MSE 598 Internship
MSE 599 Research
MSE 600 Doctoral Research and Dissertation

MICROBIOLOGY, MOLECULAR BIOLOGY AND BIOCHEMISTRY

Add **MMBB J476/J576 Biophysical Chemistry** (3 cr). Basic principles and applications of physical chemistry as applied to biological processes. An emphasis will be placed on using thermodynamics to describe protein folding and stability and quantum mechanics to describe the principle spectroscopic methods used to study biological macromolecules. Additional oral and/or written assignments reqd for grad cr. Prereq for 476: Chem 372, Phys 112, MMBB 380, and MMBB 382. Coreq for 476: Math 160 or 170. Prereq for 576: MMBB 541. [Spring 2002]

MUSIC

1. Move **MusC 120 Fundamentals of Music** (2 cr), to the dormant list. [Summer 2001]
2. Change title, credits and description of MusH 111 to read [Spring 2002]:
MusH 111 Introduction to Music Literature (2 3 cr). ~~Intro to art and nature of music; representative world musical cultures and overview of Western vernacular and cultivated traditions.~~ Introduction to the study of music literature, including western and world traditions. Emphasis on aural and score analysis, writing, and research techniques. Prereq: MusC 141. (Spring only)

PHYSICAL EDUCATION

1. Change the title of **PEP 380 Measurement and Evaluation I**, by removing "I." [Summer 2001]
2. Move **PEP 381 Measurement and Evaluation II** (1 cr), to the dormant list. [Summer 2001]

PHYSICS

1. Drop **Phys 310 Introduction to Relativity** (2 cr). [Summer 2002]
2. Change course number, title, and description of Phys 315 to read [Summer 2002]:
Phys 315 305 Introduction to Modern Physics (3 cr). ~~Qualitative and quantitative description of fundamentals of quantum theory and of atomic, nuclear, elementary particle, and solid state physics~~ Quantum and relativity theories with applications to atomic, solid state, nuclear, and elementary particle physics. Prereq: Phys 212, 213; coreq; Math 275.
3. Add **Phys ID-J425/J525 Relativity** (3 cr). WSU Phys 425. Introduction to the Special and General Theories of Relativity. Principle of relativity, Poincare and Lorentz transformations and their consequences. Four-dimensional formulation of relativistic mechanics and electromagnetism. Principle of equivalence and the geometric theory of gravitation. Prereq: Phys 305 and sr standing. [Summer 2002]

Note: The ID distinction and the WSU course numbers are subject to the completion of the approval process at WSU.

4. Add **Phys ID-J428/J528 Computational Physics** (3 cr). WSU Phys 428. Numerical techniques for differentiation, quadrature, and integration of differential equations. Matrix operations. Monte Carlo methods. Applications to physical problems. Prereq: Phys 305. [Summer 2002]

Note: The ID distinction and the WSU course numbers are subject to the completion of the approval process at WSU.

5. Change requirements in the Physics (B.A. or B.S.) major to read [Summer 2002]:

PHYSICS (B.A. or B.S.)

Required course work includes the university requirements (see regulation J-3), the general L&S requirements for either the B.A. or B.S. degree, and:

Phys 200 Physics Seminar (4 cr)
 Phys 211, 212, 213 Engineering Physics I, II, III (12 cr)
~~Phys 310 Introduction to Relativity (2 cr)~~
 Phys 315 305 Introduction to Modern Physics (3 cr)
 Phys 321-322 Analytical Mechanics (6 cr)
 Phys 341-342 Electromagnetic Fields I-II (6 cr)
 Phys 351 Introductory Quantum Mechanics I (3 cr)
 Phys 371 Mathematical Physics (3 cr)
 Chem 111 Principles of Chemistry I (4 cr)
 Chem 113 Inorganic Chem and Qual Analysis or 112 Prin of Chem II (4-5 cr)
 Math 170, 175, 275 Analytic Geometry and Calculus (11 cr)
 Mathematics (upper-division) (6 cr)

And, for the B.A. only:

Upper-division physics courses (incl at least 4 cr of lab) (9 cr)
Phys 411 and two additional upper-division physics courses from the following:
Phys 412, 425, 428, 431, 443, 444, 463, 465, 485 (9 cr)

And, for the B.S. only:

Upper-division physics courses (incl at least 4 cr of lab) (15 cr)
Upper-division physics courses, including at least 4 cr of lab and 9 cr from the following:
Phys 411, 412, 425, 428, 431, 443, 444, 463, 465, 485 (15 cr)

SOCIOLOGY/ANTHROPOLOGY/JUSTICE STUDIES

1. Change the description of ANTH 422/522 to read [Summer 2001]:
Anth ID-J422/ID-J522 Plateau Indians (3 cr). WSU Anth 428/528. An overview of historic and contemporary Indian cultures of the Plateau; oral traditions, ceremonial life, social organization, and subsistence activities; history of contact with Euro-American society. Additional projects/assignments reqd for grad cr. Two 1 to 2-day field trips.
2. Change the description of SOC 240 to read [Summer 2001]:
Soc 240 Introduction to Social Services (3 cr). Survey of the field of social welfare and contemporary social services. Prereq: [Soc 101](#) and [230](#). (Alt/yrs)

FOR THE FACULTY'S INFORMATION

The following actions concerning cooperative courses have been approved since the most recent report:

Add "ID&WS" to **EE 533 Antenna Theory** (3 cr). WSU EE 527. [Spring 2002]
Drop **Ent WS-J439/WS-J539 Insect-Plant Interactions: Population Dynamics** (1 cr). WSU Entom 477/577. [Summer 2001]
Drop **Ent WS443 Insect Ecology** (3 cr). WSU ENTOM 443. [Summer 2001]
Add "ID" to **Fish 424 Fish Health Management** (3 cr). WSU NATRS 421. [Spring 2002]
Add **MMBB WS403 Introductory Biochemistry** (4 cr). WSU BCBP 364. [Spring 2002]
Add **MMBB WS570 Special Projects in Electron Microscopy** (2-3 cr). WSU E MIC 586. [Spring 2002]
Add **MMBB WS584 Special Topics in Electron Microscopy** (1 cr). WSU E MIC 587. Graded P/F. [Spring 2002]