

General Curriculum Report #211

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE

April 21, 2000

To: MEMBERS OF THE RESIDENT FACULTY

The items listed below 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.

COLLEGE OF BUSINESS AND ECONOMICS

Change the first paragraph of the CBE college requirements (page 56 of the 1999 General Catalog) to read [Summer 2000]:

College Requirements. Before proceeding to upper-division work, students registered in the College of Business and Economics must (1) complete at least 58 semester credit hours with a minimum cumulative grade-point average of 2.00 and (2) earn at least 2.35 grade-point average in Econ 272, Foundations of Economic Analysis, or Econ 201 and 202, Principles of Economics; Acct 201 and 202, Introduction to Financial Accounting and Introduction to Managerial Accounting; and Stat 271, Statistical Inference and Decision Analysis, or Stat 251, Principles of Statistics. Students who enroll in Stat 251 must also complete Stat 262, Decision Analysis, before or during their first semester of upper-division CBE course work; however, the grade received in Stat 262 is not included in the minimum 2.35 grade-point average requirement.

AGRICULTURAL ECONOMICS

Change the credits of AgEc 370, Natural Resource Management, from "3 cr" to "2 cr." [Fall 2000]

AGRICULTURAL ENGINEERING

1. Change the description of AgE ID351, Hydrology (3 cr), by deleting "Same as CE 321." [Spring 2001]
2. Add AgE 355 Fundamentals of Hydrologic Engineering (3 cr). See CE 325. [Spring 2001]

3. Change the major in agricultural engineering (B.S.Ag.E.) by dropping AgE 351 and adding AgE 355. [Spring 2001]

4. Change the major in biological systems engineering (B.S.B.Sy.E.) by dropping AgE 351 and adding AgE 355. [Spring 2001]

AGRICULTURAL SYSTEMS MANAGEMENT

Change the credits of ASM ID409, Agricultural Tractors and Power Units, from "4 cr" to "3 cr." [Fall 2000]

AMERICAN STUDIES

1. Change the description of AmSt 101 to read [Fall 2000]:

AmSt 101 American Identities (3 cr). ~~Open to freshmen; open to other students with permission.~~ May be used as core credit in J-3-d or J-3-e (pilot offering). Not open for credit to students who have taken the "Contemporary American Experience" section of CORE 101-102. Exploration of the ways identity is constructed in contemporary American culture through place, religion, race, gender/sexuality, and class; study of the topic through film, literature, history, theatre, music, the media, ethnography, economics, art, and architecture. Includes five evening meetings.

2. Change the major in American studies (B.A.) as follows [Summer 2000]:

a. Literature Emphasis: (1) delete RelS 321; (2) add Engl 380 and 429.

b. History Emphasis: (1) delete Hist 410, 413, 432; (2) add Hist 315, 424, 441.

c. Social Science Emphasis: (1) delete Anth 404 (as alternative to Hist 431); (2) change economics requirement to "Econ 201-202, or 272 (4-6 cr)"; (3) add Stat 251 as required course; (4) reduce "courses selected from the following list" from 14 to 12 credits, add "at least 9 credits must be upper-division," delete Geog 364 and 365, change Arch 499 to 486, and add AgEc 467, AmSt 201, Anth 422, 431, 436, 443, Dan 421, Econ 385, 407, 441, PolS 437, 460, 468, and Soc 101, 323, 324, 414; (5) add Engl 380, 429 and Hist 315, 424 to "four courses in literature and history."

ANIMAL AND VETERINARY SCIENCE

1. Drop AVS ID&WS272, Dairy Cattle Traits (2 cr). WSU A S 272. [Dormant] [Summer 2000]

2. Drop AVS 372, Meat Science (3 cr). [Dormant] [Summer 2000]

ANTHROPOLOGY

1. Change the description of Anth J431/ID-J531 to read [Summer 2000]:

Anth J431/ID-J531 Historical Archaeology (3 cr). WSU Anth 545. ~~Excavation and analysis of historic archaeological sites~~ Investigation of the techniques of historical archaeology as well as an introduction to historic material culture and the theories that inform historical archaeology research. Additional projects/assignments reqd for grad cr. Three 1-day field trips. Prereq: Anth 100 or perm.

2. Change the major in anthropology (B.A. or B.S.) by reducing the required credits in related fields from "15 cr" to "12 cr." [Summer 2000]

ART

1. Drop Art 212, Drawing IV (3 cr). [Fall 2000]

2. Change the description of Art ID214 to read [Fall 2000]:

Art ID214 Textile Design I (3 cr). WSU AMT 320. Intro to basic technical and aesthetic concepts in textile arts and design, including dye and color theory, resist and direct application techniques; intro to design industry textile structure and surface manipulation. Two 3-hr studios a wk and assigned outside work; field trips and guest lectures may be required.

3. Drop Art 215, Textile Design II (3 cr). [Fall 2000]

4. Change the description of Art 241, Sculpture I (3 cr), by removing the prerequisites. [Fall 2000]

5. Change the title of Art 311 from "Drawing V" to "Drawing IV," and delete Art 212 from the prerequisite. [Fall 2000]

6. Change the title of Art 312 from "Drawing VI" to "Drawing V," and change the prerequisite from "Art 311 or perm" to "art core and Art 211 and 311 or perm." [Spring 2001]

7. Change the title of Art 314 from "Textile Design III" to "Textile Design II," and delete Art 215 from the prerequisite. [Fall 2000]

8. Change the title of Art 315 from "Textile Design IV" to "Textile Design III," and delete Art 215 from the prerequisite. [Fall 2000]

9. Change the credits and description of Art 490 to read [Fall 2000]:

Art 490 Art Studio (~~8 cr, max 16~~ 6 cr, max 12). Open only to BFA studio art majors. Intensive tutorial studio closely monitored by all the faculty, culminating in development of a portfolio and a professional exhibition. Outside lec and special events may be assigned. ~~Eight formal studio hrs a wk plus studio work to equal 24 hrs involvement a wk~~ Twelve formal hrs of studio a wk plus outside work to equal 18 hrs of involvement a wk; field trips and guest lectures may be required. Prereq: senior standing and completion of 15 cr in 300-level art courses with a minimum grade of C and a minimum GPA of 2.5.

10. Change the number and credits of Art 525, Art Faculty Studio (6 cr, max 12), to Art 515 (3-6 cr, max 12). [Fall 2000]

11. Change the number of Art 526, MFA Art Studio (3-6 cr, max 9), to Art 516. [Fall 2000]

12. Change the major in studio art (B.F.A.) as follows [Fall 2000]:

a. Drop Art 100, Visual Art, as part of the art core for this major, and add Art 207, Survey of Western Art: Ancient to Medieval, and Art 208, Survey of Western Art: Renaissance to Modern, as required courses.

b. Decrease the credits in Art 490 from 16 credits to 12 credits.

c. Change the requirement in 200-level studio courses from "15-18 cr" to "15 cr" and delete the extra course required for various emphases.

d. Drop Art 301 and 302, and add 9 credits of 300- or 400-level art history.

13. Change the majors in studio art (B.F.A.), art (B.A.), and art education (B.S. Art Ed.) by deleting photography as a studio emphasis and dropping Comm 281, 381, 385, and 387 from the elective lists for 200- and 300-level studio courses. [Fall 2000]

CHEMICAL ENGINEERING

1. Change the title and description of ChE 330 to read [Spring 2001]:

ChE 330 ~~Stagewise Operations~~ Separation Processes I (3 cr). ~~Stagewise operations, including distillation, extraction, ion exchange, absorption~~ Equilibrium stagewise operations, including distillation, extraction, absorption. Prereq: ChE 223, 326, ~~Engr 320~~; ~~prereq or coreq~~: Chem 305.

2. Drop ChE 435, Energy Conversion Systems (3 cr) [dormant]. [Summer 2000]

3. Add ChE 451-452 Environmental Management and Design (3 cr, max arr). Same as EnvE and EnvS 451-452. Waste management application projects; projects require original design, working model, and report. May involve week-long trip to national competition. One lec and 3 hrs of lab a wk; weekly team status report meetings plus weekly task reviews with adviser. Prereq: permission (by invitation only). [Fall 2000]

4. Drop ChE 528, Advanced Thermodynamics (3 cr) [dormant]. [Summer 2000]

5. Drop ChE 544, Advanced Process Control (3 cr) [dormant]. [Summer 2000]

CHEMISTRY

1. Change the description of Chem 275, Carbon Compounds (3 cr), by removing "Duplicate cr will not be allowed in first-year courses in organic chemistry." [Fall 2000]

2. Change the description of Chem 277, Organic Chemistry I (3 cr), by removing "Duplicate cr will not be allowed in first-year courses in organic chemistry." [Fall 2000]
3. Drop Chem R413, Radiochemistry for Engineers (2 cr) [dormant]. [Summer 2000]
4. Drop Chem 416, Methods in Radiochemistry (3 cr) [dormant]. [Summer 2000]
5. Drop Chem 475, Organic Synthesis (3 cr) [dormant]. [Summer 2000]

CIVIL ENGINEERING

1. Drop CE 321, Hydrology (3 cr). [Spring 2001]
2. Change the prerequisite to CE 322, Hydraulics (3 cr), from "Prereq: Engr 335" to "Prereq: Engr 220, 335; coreq: CE 215." [Spring 2001]
3. Change the prerequisite to CE 323, Hydraulics Laboratory (1 cr), from "Prereq or coreq: CE 322" to "Prereq or coreq: CE 322; coreq: CE 215." [Spring 2001]
4. Add CE 325 Fundamentals of Hydrologic Engineering (3 cr). Same as AgE 355. Principles of hydrologic science and their application to the solution of hydraulic, hydrologic, environmental, and water resources engineering problems; application of principles and measurements of precipitation, evaporation, infiltration, and snowmelt in development of rainfall-runoff models appropriate to various catchment scales for engineering purposes; some emphasis on urban hydrology problems, stormwater management, and mathematical modeling. Some field exercises. Prereq: Math 310, Stat 301, Engr 335. [Spring 2001]
5. Change the prerequisite to CE 330, Fundamentals of Environmental Engineering (3 cr), from "Prereq: junior standing in engineering" to "Prereq: Engr 335, Chem 112, Math 310; coreq: CE 215." [Spring 2001]
6. Change the prerequisite to CE 342, Theory of Structures (3 cr), from "Prereq: Engr 350" to "Prereq: Engr 350, Math 310." [Spring 2001]
7. Change the prerequisite to CE 357, Properties of Construction Materials (3 cr), from "Prereq: Engr 350; coreq: Stat 301" to "Prereq: Engr 350, Math 310; coreq: CE 215, Stat 301." [Spring 2001]
8. Change the prerequisite to CE 360, Fundamentals of Geotechnical Engineering (4 cr), from "Prereq: Engr 335 and 350" to "Prereq: Engr 335 and 350, Math 310." [Spring 2001]
9. Change the prerequisite to CE 372, Fundamentals of Transportation Engineering (4 cr), from "Prereq: Stat 301; coreq: Engl 317" to "Prereq: Stat 301, CE 211; coreq: Engl 317." [Spring 2001]

10. Change the major in civil engineering (B.S.C.E.) by (a) adding CE 325, (b) dropping CE 321, and (c) dropping Geol 101 from the list of basic science elective courses (keeping Biol 201, Chem 302, Geol 111, and MMBB 250). [Spring 2001]

COMPUTER ENGINEERING

Add CoE 101 Foundations of Electrical and Computer Engineering (2 cr). See EE 101. [Fall 2000]

COMPUTER SCIENCE

Change the description of CS 102, Computer Science Orientation (1 cr), by removing "Graded P/F." [Spring 2000]

CRIME AND JUSTICE STUDIES

1. Change the major in crime and justice studies (B.A. or B.S.) by (a) dropping Phil 103; (b) dropping Stat 150 as an alternative course to Stat 251; (c) changing the electives wording to "Electives chosen from the following (including 15 18 upper-division credits excluding internship) (if the student takes CJ 498 for 6 cr, he or she needs 18 21 credits of electives) (24 cr 27 cr); (d) dropping CJ 365, 370, PolS 101, and Soc 325 from the elective list; (e) adding CJ 333, 340, 430, and Soc 314 to the elective list. [Summer 2001]

2. Change the minor in crime and justice studies by (a) dropping Phil 103; (b) changing the electives from "Two or more of the following..." to "Three or more of the following..."; (c) dropping For 235 from the elective list; and (d) adding Soc 314, CJ 333, 340, and 430 to the elective list. [Summer 2001]

ELECTRICAL ENGINEERING

1. Add EE 101 Foundations of Electrical and Computer Engineering (2 cr). Same as CoE 101. Course is geared toward freshmen EE and CoE students with little or no fundamental electrical/computer engineering knowledge and is highly interactive and hands-on; includes introductory coverage of basic signal characteristics, amplifier applications and design, fundamental circuit analysis, data analysis, digital logic and computer architecture, electromagnetics, etc.; nontechnical topics relevant to freshmen will also be included. Coreq: Math 143 or above. [Fall 2000]

2. Change the prerequisite to EE 416, Linear Integrated Circuit Applications (3 cr), from "Prereq: EE 318 or perm" to "EE 316 or perm." [Spring 2001]

3. Add EE 450 Digital Data Storage Systems (3 cr). Introduction to digital mass storage systems; the magnetic field and the design of devices for utilizing it for data storage and retrieval; hard and soft magnetic materials; theory of the recording and playback processes; signal processing, modulation, and storage capacity; the electromechanical drive system and servo control. Prereq: EE 330, 350, or perm. (Alt/yrs) [Fall 2000]

4. Change the major in electrical engineering (B.S.E.E.) by changing the technical upper-division electives to read "Technical upper-division electives (at least 12 cr from EE courses, including 9 cr from EE [411, 416], [421, 424], [435], [440, 441, 443], [450, 452, 476], and [470, 477]) (18 cr). [Summer 2000]

ENGLISH

Change the credits of Engl 597, Practicum, from "3 cr, max 6" to "1-3 cr, max 3." [Fall 2000]

ENTOMOLOGY

Change the minor in entomology to read [Summer 2000]:

ENTOMOLOGY MINOR

- Ent 211 General Entomology (4 cr)
- ~~Ent 322 Economic Entomology (3 cr)~~
- ~~Ent 440 Insect Identification (4 cr)~~
- ~~Ent 484 Insect Anatomy & Physiology (4 cr)~~
- ~~Courses selected from the following (3 cr)~~
 - ~~Ent 443 Insect Ecology~~
 - ~~Ent 445 Insect Plant Interactions~~
 - ~~Ent 446 Host Plant Resistance to Insects & Pathogens~~
 - ~~Ent 447 Fundamentals of Biological Control~~
 - ~~Ent 448 Medical Entomology~~
 - ~~Ent 472 Aquatic Entomology~~
 - ~~Ent 491 Principles of Insect Pest Management~~
- Entomology electives (14 cr)

ENVIRONMENTAL ENGINEERING

Add EnvE 451-452 Environmental Management and Design (3 cr, max arr). See ChE 451-452. [Fall 2000]

ENVIRONMENTAL SCIENCE

1. Add EnvS 451-452 Environmental Management and Design (3 cr, max arr). See ChE 451-452. [Fall 2000]

2. Change the title and description of EnvS 497 to read [Spring 2001]:

EnvS 497 ~~(s) Practicum in Environmental Science~~ Senior Research and Thesis (3 cr).
Problem solving in the environmental sciences using laboratory, field, or library techniques.
Prereq: senior standing; prereq or coreq: Engl 317 or equiv.

FAMILY AND CONSUMER SCIENCES

1. Change the title and description of FCS 329 to read [Spring 2001]:

FCS 329 ~~Historic Costume~~ History of Western Dress (3 cr). ~~Costume as an expression of the times; includes social and psychological aspects of clothing and historical overview of costume~~ Historic overview of western dress from ancient Mesopotamia and Egypt to Western Europe through the 20th century; focus on dress and human appearance as a reflection of the socio-cultural factors of the times.

2. Add FCS C410 Growing Old in a New Age (3 cr). Overview of issues related to aging; life-span development, how environments affect older persons, seeking an optimal quality of life, cross-cultural considerations, how aging is studied, and how to access resources. [Summer 2000]

3. Add FCS 411 Global Nutrition (2 cr). The history of food and hunger, and the global nature of our food systems focusing on the impact of our food decisions on the environment, agricultural production, world populations relative to food supply, hunger, biotechnology, and safety of our food supply. [Spring 2001]

4. Add FCS ID423 Sewn Product Industry Tour (1 cr). Field site tours of sewn product industry firms representing the design/manufacturing, merchandising, and auxiliary services arms of the industry. Forty-five hrs of instruction/field experience: five hours class lecture, planning, and discussion; forty hours visiting companies (five 8-hour days). Variable field trip fee depending on actual cost. [Fall 2000]

5. Change the description of FCS ID428 as follows [Summer 2000]:

FCS ID428 Housing America's Families (3 cr). WSU H D 428. Housing, furnishings, and equipment as they influence family well-being, and families' housing choices as affected by social, psychological, economic, technological, and political factors. Four-five 2-hr field trips.

6. Change the major in child, family, and consumer studies (B.S.F.C.S.) (consumer affairs option) by (a) dropping FCS 460, Family as an Ecosystem (3 cr) and (b) adding FCS 428, Housing America's Families (3 cr). [Summer 2000]

FISHERY RESOURCES

Change Fish ID419, Aquaculture and Fish Health (4 cr), by dividing it into two courses to read [Fall 2000]:

Fish ID422 Aquaculture (3 cr) (Fish 419). NATRS 424. Concepts and methods of extensive and intensive aquaculture in warm water and cold water systems. One 1-day field trip. Prereq or coreq: Fish 411. (Fall only)

Fish 424 Fish Health Management (3 cr) (Fish 419). Epidemiology, prevention, diagnostics, and treatment of infections and non-infectious diseases of free-living and confined finfish and shellfish. Prereq: MMBB 250; Fish 422 recommended. (Spring only)

2. Change the major in fishery resources (B.S.Fish.Res.) by (a) deleting Fish 419, (b) adding Fish 422 or 424, and (c) adding Fish 422 or 424 (not taken above) to the restrictive electives list. [Fall 2000]

3. Add a new academic minor in fishery resources as follows [Fall 2000]:

FISHERY RESOURCES MINOR

- Fish 314 Fish Ecology (3 cr)
- Fish 495 Seminar (1 cr)
- WLF 221 Natural Resource Ecology or Biol 331 General Ecology (3 cr)
- Four of the following courses (12-15):
 - Fish 411 Ichthyology (4 cr)
 - Fish 415 Limnology (4 cr)
 - Fish 418 Fisheries Management (4 cr)
 - Fish 422 Aquaculture (3 cr)
 - Fish 424 Fish Health Management (3 cr)
 - Fish 430 Riparian Ecology & Management (2 cr)

FOOD SCIENCE AND TOXICOLOGY

Add FST J409/J509 Principles of Environmental Toxicology (3 cr). Same as EnvS J409/J509. Fundamental toxicological concepts including dose-response relationships, absorption of toxicants, distribution and storage of toxicants, biotransformation and elimination of toxicants, target organ toxicity and teratogenesis, mutagenesis, and carcinogenesis; chemodynamics of environmental contaminants including transport, fate, and receptors; chemicals of environmental interest and how they are tested and regulated; risk assessment fundamentals. Registration for 509 requires preparation of an additional in-depth report. Prereq: Biol 100 or 201, Chem 111, 113, 275; Stat 251 recommended. [Fall 2000]

FOREIGN LANGUAGES AND LITERATURES

1. Drop Germ 430, German Phonetics (2 cr) [dormant]. [Summer 2000]
2. Drop Latn 201-202, Intensive Latin (4 cr) [dormant]. [Summer 2000]
3. Drop Span 414, Spanish Long Fiction (3 cr). [Summer 2000]
4. Drop Span 415, Spanish American Long Fiction (3 cr). [Summer 2000]
5. Drop Span 416, Ecuador: Culture/Literature (3 cr). [Summer 2000]
6. Drop Span 485-486, Contemporary Spanish Literature (3 cr) [dormant]. [Summer 2000]
7. Drop Span 487-488, Contemporary Spanish-American Literature (3 cr) [dormant]. [Summer 2000]

FOREST PRODUCTS

1. Change the number, title, credits, and description of ForP WS425 to read [Spring 2001]:

ForP ~~WS425~~ ID425 Wood, Wood Products, and Marketing Forest Products Marketing (2 ~~cr~~ 3 cr). WSU NATRS 420/520. ~~Domestic and international markets for forest products; overview of forest products market research marketing techniques; accessing and developing forest products research markets~~ Aspects of marketing from an industrial perspective; survey of domestic and international forest products markets; marketing research in forest products; current issues and problems in marketing forest products. Prereq: ForP 250 or perm. (Alt/yrs)

2. Change the credits of ForP J477/J577, Forest Products Business Management, from "2 cr" to "3 cr." [Spring 2001]

3. Change the major in forest products (B.S.For.Prod.) as follows [Fall 2001]:

a. Timber harvesting option: (1) drop CS 112 and ASM 240 as alternative courses to For 294 and (2) add For 324, Silviculture I (2 cr), to the resource emphasis area.

b. Forest products business management option: (1) drop Phil 103 and ForP 336 and (2) drop For 294 as an alternative course to CS 112 or ASM 240.

FOREST RESOURCES

1. Change the number and description of For 294 to read [Spring 2001]:

For 294 394 Quantitative Resource Analysis (3 cr) (For 294). ~~Application of mathematical and statistical concepts to resource management problems using PC based computer skills: a programming language along with spreadsheet/database and statistical application programs~~ Solving quantitative problems in a natural resources management context using statistical sampling applications and computer software. Two lec and one 2-hr lab a wk. Prereq: Stat 251; coreq: Math 160 or perm Prereq: Math 160 or 170, Stat 251.

2. Drop For ID&WS374, Forest Mensuration (3 cr). WSU NATRS 313. [Fall 2001]

3. Change the title and description of For 474 to read [Fall 2001]:

For 474 Forest ~~Resource Inventories~~ Inventory and Mensuration (3 cr). ~~Log scaling; defect determination in standing trees; fixed plot, variable plot, and 3-P sampling; cruise design and implementation; timber appraisal; stem analysis; regeneration, downed woody fuel, and watershed surveys~~ Principles of log, tree, and stand measurements, growth and yield, fixed plot, and 3p sampling; cruise design and implementation. Two lec and 3 hrs of lab a wk; two 1-day field trips. Prereq: For 274, 394, and perm.

GEOLOGICAL ENGINEERING

1. Change the number of GeoE ID444, Earthquakes and Seismic Hazards (3 cr), to GeoE ID344. [Spring 2001]

2. Add GeoE 523 Environmental Geophysics (3 cr). Applications of geophysical methods to hydrogeological and geotechnical problems. [Spring 2001]

3. Change the title and description of GeoE 528 to read [Spring 2001]:

~~GeoE 528 Advanced Geostatistics~~ Topics in Geological Engineering (3 cr). Same as Min 528. ~~Advanced geostatistical methods with emphasis on multivariate kriging, conditional kriging, and spatial simulations~~ Advanced theory and applications, with emphasis on geostatistical simulations, soil and rock reinforcement, and computer modeling methods in geological engineering. Prereq: GeoE 428, 435.

GEOLOGY

1. Change the number and description of Geol 150 to read [Spring 2001]:

~~Geol 150 350 Oceanography (3 cr) (Geol 150). Study of features of the world's oceans, their floors, and their margins. One 5-day field trip.~~ Study of geologic features of oceans. One 8-day field trip if taken during summer session. Prereq: Geol 101 or 111.

2. Drop Geol 260, Survey of Minerals (2 cr). [Spring 2001]

3. Drop Geol 261, Lithology (2 cr). [Fall 2000]

4. Add Geol 422 Principles of General Geophysics (3 cr). See Geop 422. [Summer 2000]

5. Change the number of Geol ID444, Earthquakes and Seismic Hazards (3 cr), to Geol ID344. [Spring 2001]

6. Add Geol ID&WS-J459/ID&WS-J559 Geodynamics (3 cr). WSU Geol 559. Dynamics, movement, and deformation of the earth's lithosphere, asthenosphere, and mantle; emphasis on deformation processes and constraints derived from investigation of active tectonics using geophysics, seismology, geodesy, and structural geology. Graduate credit requires additional paper and examination questions. Prereq: Geol 345. (Alt/yrs) [Fall 2000]

7. Add Geol ID&WS-J483/ID&WS-J583 Radiogenic Isotopes and Geochronology (3 cr). WSU Geol 483/583. Nuclear structure, radioactive decay, isochrons, the age of meteorites, the earth, and the timing of various major differentiation events, applications of radiometric (including cosmogenic) dating in a wide range of fields, and the use of radiogenic isotopes as tracers of multi-reservoir evolution. Graduate credit requires additional paper and examination questions. [Fall 2000]

8. Drop Geol J484/J584, Advanced Geochemistry (3 cr) [dormant]. [Summer 2000]

9. Change the credits and description of Geol J488/ID-J588 to read [Spring 2001]:

Geol J488/ID-J588 Isotope Geology (4 ~~cr~~ 3 cr). WSU Geol 588. ~~Geologically useful radioactive isotopes~~ Laboratory applications of radioactive isotopes; geochronology and isotopes as tracers. Cr earned in Geol 588 by completion of term project. ~~Three~~ One lec and ~~one 2-hr~~ 4 hrs of lab a wk. Prereq: perm. (Alt/yrs)

10. Drop Geol ID526, Petrology of Carbonate Rocks (3 cr). WSU Geol 528. [Fall 2000]

11. Change the number of Geol WS541, Structural Analysis (3 cr), to Geol ID&WS-J441/ID&WS-J541 and add "WSU Geol 541. Structural analysis of complexly deformed rocks in orogenic belts. Field trip required. (Alt/yrs)" [Fall 2000]

HISTORY

1. Drop Hist 345, European Christianity, 500-1700 (3 cr) [dormant]. [Summer 2000]

2. Drop Hist J413/J513, US: Early National Period (3 cr) [dormant]. [Summer 2000]

3. Drop Hist ID-J436/J536, Introduction to Canadian History (3 cr) [dormant]. [Summer 2000]

HYDROLOGY

1. Add Hydr 413 Applied Hydrogeologic Concepts (3 cr). Quantitative methods for the estimation of aquifer coefficients related to groundwater resource evaluations. Prereq: Geol 309 or Hydr 463. [Fall 2000]

2. Drop Hydr 491, Waste Management (3 cr) [dormant]. [Summer 2000]

INTERDISCIPLINARY STUDIES

1. Add Intr 201 Skill Building for Career Decision-Making (1 cr). Accelerated 8-week course focusing on helping students understand the process of career development and develop career decision-making skills; learning how to assess the characteristics important in selecting a major or career and how to use these characteristics in exploring potential choices; emphasis on experiential learning. [Fall 2000]

2. Drop Intr 399, Independent Study (cr arr) [dormant]. [Summer 2000]

3. Drop Intr 493-494, Seminar in Urban Studies (2 cr) [dormant]. [Summer 2000]

MATHEMATICS

Drop Math 440, Linear Algebra (3 cr) [dormant]. [Summer 2000]

MINING ENGINEERING

Change the title of Min 528 from "Advanced Geostatistics" to "Advanced Topics in Geological Engineering." [Spring 2001]

MUSIC

1. Change the description of MusA 145-146/245-246, Piano Class (1 cr), by adding "Prereq for 146: 'C' or better in MusA 145 or perm." [Spring 2001]

2. Change the description of MusA 314, Individual Instruction (1 cr, max arr), by adding "Prereq: perm." [Spring 2001]

3. Move MusA J454/J554, Performance Practices (2 cr), to the dormant list. [Fall 2000]

4. Change the description of MusH 101, Survey of Music (3 cr), by changing the core credit information to read "May be used as core credit in J-3-d, except by music majors." [Summer 2000]

5. Change the general requirements for all B.A., B.S., and B.Mus. degrees as follows [Summer 2000]:

a. Add "**MusA 101 and 111.** Music majors may NOT use MusH 101 or 111 to satisfy UI core curriculum requirements. MusH 111 is part of the professional course work--11 credits in music history--required for the major. Transfer students may use a 100-level survey of music course from another institution in lieu of MusH 111. If world music was not addressed in the transfer course, students will have to meet a level of competency in world music. Music minors may take MusH 111 or 101 to satisfy the introductory level of music history."

b. Add to Ensemble Participation: "Transfer students must have a minimum of four semesters of ensemble participation at UI, at least two of which must be in a large ensemble."

c. Add to Convocation-Recital Attendance: "Transfer students must have a minimum of two semesters of convocation at UI."

6. Change the major in music: instrumental performance (keyboard) by dropping MusA 454, Performance Practice (2 cr), and adding MusA 455, Keyboard Performance Practices (1 cr). [Summer 2000]

7. Change the minor in music by adding MusH 101 as an alternative course to MusH 111. [Summer 2000]

PHYSICAL EDUCATION

Change the credits of PEP 498 from "9 cr" to "cr arr." [Spring 2000]

PHYSICS

1. Change the title and description of Phys 351 to read [Fall 2000]:

Phys 351 ~~Elementary~~ Introductory Quantum Mechanics I (3 cr). ~~Methods; one-dimensional harmonic oscillator, free particle, rectangular potential barrier, hydrogen atom, and perturbation theory~~ One-dimensional theory; free particle, bound states, potential barriers, harmonic oscillator, matrix methods, and Dirac notation; interpretations of quantum theory. Prereq: Phys 315, 371; ~~coreq: Phys 324.~~

2. Add Phys 352 Introductory Quantum Mechanics II (3 cr). Three-dimensional theory; angular momentum, motion in central potential, identical particles and spin, perturbation theory and variational methods. Prereq: Phys 351. [Fall 2000]

PSYCHOLOGY

Change the major in psychology (B.A. or B.S.) by adding Psyc 430 and 456 to the elective courses under the "Biological/Experimental Bases of Behavior" group. [Fall 2000]

RESOURCE RECREATION AND TOURISM

Add RRT 510 Applications of Communication Theory in Natural Resource Management (3 cr). Examination of communication theories and their applications in sustainable natural resource management; emphasis on social psychological approaches to understanding persuasive communication and applications in environmental interpretation and education, marketing, and sustainable development. Recommended preparation: Comm 449. [Spring 2001]

SOILS

Change the title of Soil 422 from "Chemistry of Soil Environment" to "Environmental Soil Chemistry." [Fall 2000]

STATISTICS

1. Change the title, credits, and description of Stat ID&WS422 to read [Spring 2001]:

Stat ID&WS422 ~~Sampling Methods~~ Sample Survey Methods (2-~~er~~ 3 cr). WSU Stat 422. ~~Simple and stratified random sampling, systematic sampling, cluster sampling, double sampling, area sampling, and estimation of sample size~~ Simple random, systematic, stratified random, one and two stage cluster sampling; introduction to variable probability sampling and estimation of population size. Two lec and one 1-hr lab a wk. Prereq: Stat 251 or 271 or 301.

2. Drop Stat 457, Nonparametric Statistics (3 cr) [dormant]. [Summer 2000]

3. Drop Stat 522, Statistical Genetics (3 cr) [dormant]. [Summer 2000]

SYSTEMS ENGINEERING

1. Change the subject abbreviation for Systems Engineering from "SYS" to "SysE." [Fall 2000]
2. Add SysE 511 Applied Systems Engineering (3 cr). Moves beyond a philosophical discussion of what systems engineering is and begins to address how systems engineering can be applied; 12 instructional modules, each addressing a different aspect of the systems engineering process; provides students with basic concepts and skill necessary for successful systems engineering application. [Fall 2000]
3. Add SysE 513 Systems Requirements (3 cr). Requirements identification, analysis, and management essential to successful product development in complex, real world environments; advance planning, stakeholder inquiry, and system analysis that leads to technical, business, and management requirements, which then drive system design and subsequent test and validation. Prereq: SYS 511. [Fall 2000]
4. Add SysE 515 Systems Design and Decision Analysis (3 cr). Systems synthesis and design that are driven by requirements derived from mission analysis and customer needs; functional decomposition and allocation to system components that provide the basis for selection of design alternatives; design selection using trade studies and decisions made under uncertainty and risk. Prereq: SYS 511. [Fall 2000]
5. Add SysE 520 Probability and Statistics for Systems Engineers I (3 cr). Applications of probability and statistics for univariate and multivariate distributions, including statistical testing and design of experiments; statistical requirements statements and verification methods; reliability, availability, and maintainability analyses, systems effectiveness; statistical requirements allocations and error budgets; introduction to system modeling and simulation. Prereq: Stat 401 or perm. [Fall 2000]
6. Add SysE 521 Probability and Statistics for Systems Engineers II (3 cr). Theoretical system modeling and simulation including system model development; applications of orthonormal series modeling, least squares, linearized least squares, sequential filters, Kalman Filters, Extended Kalman Filters, Square-Root Filters, Maximum Likelihood Estimators, Maximum Entropy Filters, and tracking filters to design and analysis of broad, multidisciplinary systems problems. Prereq: SYS 520. [Fall 2000]
7. Add SysE 523 Applied Systems Optimization (3 cr). Systems modeling and optimization techniques; modeling and decision making for deterministic and probabilistic systems; applications to problems taken from government, business, engineering, economics, and the natural and social sciences that are characterized by the need to allocate limited resources. Prereq: Math 275 or perm. [Fall 2000]
8. Add SysE 531 Safety Systems Engineering (3 cr). Systematic approach to hazard identification, accident and risk analysis, and the principles and application of risk reduction during a project life cycle; current safety analysis processes used in the nuclear, aerospace, and defense industries; classical system safety analysis and techniques such as fault tree, event tree, dose to man, common cause analysis, FMEA, MORT, and HAZOP; skills using tools and approaches for designing, building, and operating complex systems acceptable risk. [Fall 2000]

9. Add SysE 535 Systems Engineering Management (3 cr). Understanding the selection of appropriate technologies, utilization of the proper analytical tools, and application of the necessary resources to establish the systems engineering process, including the goals of design leadership, integration, and verification; application at the project level via the Systems Engineering Management Plan, work breakdown structures, schedules, and budgets; examination of the proper organizational environment through project and organization structures and the rapidly evolving world of process certification. Prereq: SYS 510 or 511 or perm. [Fall 2000]

THEATRE ARTS

1. Drop TheA 265, Children's Theatre (3 cr) [dormant]. [Summer 2000]

2. Drop TheA 480, Drama in Education Practicum (3-9 cr, max 9) [dormant]. [Summer 2000]

WILDLIFE RESOURCES

1. Change the prerequisite to WLF 448, Fish and Wildlife Population Ecology (4 cr), from "Prereq: Stat 251, course in vertebrate ecology" to "Prereq: Stat 251; WLF 316 or Fish 314 or course in vertebrate ecology." [Spring 2001]

2. Change the major in Wildlife Resources (B.S.Wildl.Res.) by adding For 294, Quantitative Resource Analysis (3 cr), as an alternative course to ASM 240. [Fall 2000]

3. Add a new academic minor in wildlife resources as follows [Fall 2000]:

WILDLIFE RESOURCES MINOR

- WLF 221 Natural Resource Ecology or Biol 331 General Ecology (3 cr)
- WLF 314, 315 Wildlife Ecology I & Lab (4 cr)
- WLF 316 Wildlife Ecology II (4 cr)
- WLF 495 Wildlife Seminar (1 cr)
- Three of the following courses (8-11 cr):
 - WLF 440 Conservation Biology (3 cr)
 - WLF 441 Behavioral Ecology (3 cr)
 - WLF 445 Nongame Management (2 cr)
 - WLF 448 Fish & Wildlife Population Ecology (4 cr)
 - WLF 492 Wildlife Management (4 cr)

FOR THE FACULTY'S INFORMATION

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

- Drop AgE WS553, Advanced Theory and Design of Irrigation Systems (3 cr). WSU BSysE 592. [Dormant] [Summer 2000]

- Drop ASM WS416, Mobile Hydraulics (3 cr). WSU AgTM 416. [Dormant] [Summer 2000]
- Add "ID" to Bus 427, Services Marketing (3 cr). WSU Mktg 327. [Summer 2000]
- Add ChE WS551, Discrete Digital Control (3 cr). WSU Ch E 551. [Summer 2000]
- Drop Chem WS503, Advanced Topics in Inorganic Chemistry (1-3 cr, max arr). WSU Chem 503. [Dormant] [Summer 2000]
- Drop Chem WS544, Advanced Topics in Organic Chemistry (1-3 cr, max arr). WSU Chem 544. [Dormant] [Summer 2000]
- Drop CJ WS365, Juvenile Justice and Corrections (3 cr). WSU Crm J 365. [Spring 2001]
- Drop CJ WS370, Introduction to Policing in America (3 cr). WSU Crm J 370. [Spring 2001]
- Drop CJ WS540, Seminar in Criminal Justice Research Evaluation (3 cr). WSU Crm J 540. [Summer 2000]
- Add CJ WS541, Seminar in Corrections (3 cr). [Summer 2000]
- Drop CJ WS591, Seminar in the Administration of Criminal Justice (3 cr, max 6). WSU Crm J 591. [Summer 2000]
- Drop Ent WS444, Insect Morphology (4 cr). WSU Entom 444. [Dormant] [Summer 2000]
- Change the credits of Ent WS448, Medical Entomology, from "2 cr" to "3 cr." WSU Entom 448. [Spring 2000]
- Drop Ent WS542, Insect Behavior (4 cr). WSU Entom 542. [Summer 2000]
- Drop Ent WS568, Systems Analysis in Integrated Pest Management (3 cr). WSU Entom 562. [Dormant] [Summer 2000]
- Delete "ID&WS" from FCS ID&WS424, Apparel Design III (3 cr). WSU AMT 412. [Summer 2000]
- Drop FST WS507, Principles of Pharmacology II (3 cr). WSU P/T 507. [Dormant] [Summer 2000]
- Add ForP WS455, Construction Scheduling (3 cr). WSU Cst M 455. Precedence and arrow networking techniques for construction; fundamentals of scheduling computations, time-cost adjustments, resource leveling; computer scheduling software overview. [Spring 2000]
- Drop ForP WS537, Parameters for Synthesis of Wood Composition Materials (3 cr). [Dormant] [Summer 2000]
- Delete "ID" from For ID472, Remote Sensing of Environment (3 cr). WSU Soils 472. [Summer 2000]

- Delete "ID" from Geog ID420, Land and Resource Regulation (3 cr). WSU ES/RP 588. [Summer 2000]
- Add Geol WS470, Introduction to Economic Geology (4 cr). WSU Geol 470. [Fall 2000]
- Remove Geol WS523, Advanced Topics in Stratigraphy (3 cr), from the dormant list. WSU Geol 523. [Fall 2000]
- Delete "ID" from Geol 575, Advanced Mineral Deposits I (3 cr). WSU Geol 561. [Summer 2000]
- Drop Geol WS581, Geochemical Phase Diagrams (3 cr). WSU Geol 581. [Summer 2000]
- Add PEP WS311, Strength Training (3 cr). WSU Ath T 311. [Fall 2000]
- Add PEP WS411, Advanced Strength Training (3 cr). WSU Ath T 411. [Fall 2000]
- Add PEP WS562, Advanced Hypnosis and Therapy (3 cr). WSU CoPsy 562. [Summer 2000]
- Drop PlSc WS509, Advanced Crop Physiology II (3 cr). WSU CropS 509. [Spring 2001]
- Add "ID" to PlSc 590, Potato Science (1-3 cr, max 3). WSU Hort 590. [Summer 2000]
- Delete "ID" from PolS ID380, Canadian Political System (3 cr). WSU Pol S 380. [Summer 2000]
- Drop PolS WS-J412/WS-J512, Government of the U.S.S.R. (3 cr). WSU Pol S 512. [Dormant] [Summer 2000]
- Delete "ID" from PolS ID484, Politics of India and the Subcontinent (3 cr). WSU Asia 484. [Summer 2000]
- Drop PolS WS531, Research Methods in Political Science (3 cr). WSU Pol S 531. [Summer 2000]
- Drop PolS WS545, Public Personnel Administration (3 cr). WSU Pol S 545. [Dormant] [Summer 2000]
- Delete "ID" from PolS ID555, Seminar in Administrative Theory (3 cr). WSU Pol S 552. [Summer 2000]
- Add "ID" to PolS 556, Governmental Policy and Program Analysis (3 cr). WSU Pol S 515. [Summer 2000]
- Drop PolS WS589, Seminar: International Politics (3 cr). WSU Pol S 589. [Summer 2000]
- Delete "ID&WS" from PolS ID&WS591, Seminar in Public Policy Formation (3 cr). WSU Pol S 591. [Dormant] [Summer 2000]
- Delete "ID&WS" from PolS 593, Seminar in Public Law (3 cr). WSU Pol S 593. [Dormant] [Summer 2000]
- Delete "ID&WS" from PolS 594, Seminar in Political Theory (3 cr). WSU Pol S 594. [Dormant] [Summer 2000]
- Add "ID&WS" to Soil 345, Sustainable Agriculture (3 cr). WSU Soils 345. [Spring 2000]
- Drop Soil WS521, Chemistry of Soil Constituents (3 cr). WSU Soils 521. [Dormant] [Summer 2000]

- Drop Stat WS531, Econometrics (3 cr). WSU Stat 531. [Dormant] [Summer 2000]
- Drop Stat WS572, Data Analysis (3 cr). WSU Stat 572. [Summer 2000]

- Add "ID" to Zool 461, Neurobiology (3 cr). WSU Neuro 461. [Summer 2000]