General Curriculum Report #205

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE
October 8, 1999

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

Add the following statement to the College of Business and Economics general requirements for graduation (1999 General Catalog, page 56): "At least 50 percent of the College of Business and Economics credit hours applied to a B.S.Bus. degree must be earned at the University of Idaho." [Spring 2000]

ACCOUNTING

Change the prerequisite to Acct 300, Accounting Concepts and Systems (3 cr), from "Prereq: Acct 201, 202; prereq or coreq: Bus 332 or Bus 340-345" to "Prereq: Acct 201, 202, and Stat 271." [Spring 2000]

AGRICULTURAL EDUCATION

1. Drop AgEd 509, Adult Education in Agriculture and Home Economics (3 cr) [dormant] [Fall 1999].

2. Change the teaching option in the curriculum in agricultural education (B.S.Ag.Ed.) as follows [Summer 2000]:

- Add Biol 100 as an alternative to Biol 201 in the natural and applied science electives requirement
- Change "computer science course" to "computer applications course or Idaho Technology Certification"

- Change "Ag electives, incl a minimum of 6 cr in ag econ, 6 cr in animal sc, 6 cr in plant sc, and 4 cr in soils" to "Ag electives, incl a minimum of 6 cr in ag econ, 6 cr in animal sc, 6 cr in plant sc, 3 cr in horticulture, and 4 cr in soils"

AGRICULTURAL SYSTEMS MANAGEMENT

1. Change the prerequisite to ASM ID&WS315, Irrigation Systems and Water Management (3 cr), from "Prereq: Math 143, Soil 205" to "Prereq: Soil 205, Math 160 or perm." [Spring 2000]

2. Change the description of ASM ID&WS433, Agricultural Processing Systems (3 cr), by deleting the cross-listing with FST 433 and by adding "Prereq: Math 160." [Spring 2000]

AMERICAN INDIAN STUDIES

1. Add a new subject prefix of American Indian Studies (AIST). [Summer 2000]

2. Add AIST 401 Contemporary American Indian Issues (3 cr). Identifies and addresses key cultural, economic, educational, legal, resource, and sovereignty issues facing Indian communities today; an essential component involves presentations by representatives from the Indian communities. Prereq: AmSt 201, Anth 329, Engl 484, Hist 431. [Summer 2000]

3. Add AIST 495 (s) Practicum (cr arr). Supervised practicum in an Indian community setting, integrating study with work experience; requires formal plan of activities to be approved by the on site supervisor and assigned faculty member; a final written report will be evaluated by the assigned faculty member. Prereq: perm. [Summer 2000]

AMERICAN STUDIES

Add AmSt 201 Introduction to Ethnic Studies (3 cr). Surveys major themes and topics in ethnic studies with a comparative emphasis on experiences of Native Americans, African Americans, Latinos/Hispanics, and Asian Americans; a multidisciplinary course that encourages participation facilitating student-to-student dialogue and allowing students to collaborate in creating a learning environment in which knowledge and experience is shared; assists students in becoming more aware of their own locations in the context of race and ethnic structures in the U.S. [Summer 2000]

BIOLOGICAL AND AGRICULTURAL ENGINEERING

1. Change the curriculum in agricultural engineering (B.S.Ag.E.) by adding AgE 143, Engineering Problem Solving, to the list of courses in which a grade of C or better is required before registration is permitted in upper-division engineering courses. [Summer 2000]

2. Change the curriculum in biological systems engineering (B.S.B.Sy.E.) by adding BSyE 143, Engineering Problem Solving, to the list of courses in which a grade of C or better is required before registration is permitted in upper-division engineering courses. [Summer 2000]

ENTOMOLOGY

1. Change the number and credits of Ent ID472 to read [Spring 2000]:

Ent ID-J472/ID-J572 Aquatic Entomology (~~1 cr~~ 3 cr). WSU Entom 472/572. Identification and biology of insects associated with aquatic and subaquatic environments. Additional projects/assignments required for graduate credit. One lec and two 3-hr labs a wk; two 1-day field trips. ~~Prereq: perm.~~

2. Drop Ent ID474, Aquatic Entomology (2 cr). [Spring 2000]

FAMILY AND CONSUMER SCIENCES

1. Change the title, credits, and description of FCS 428 to read [Spring 2000]:

FCS 428 ~~Family Housing~~ Housing America's Families (~~2 cr~~ 3 cr). ~~Housing and families as affected by consumer issues, public policy, housing history, and social, economic, political, and technical factors~~ Housing, furnishings, and equipment as they influence family well-being, and families' housing choices as affected by social, psychological, economic, technological, and political factors.

2. Change the family life education option under the curriculum in child, family, and consumer studies (B.S.F.C.S.) by adding FCS 428, Housing America's Families (3 cr). [Summer 2000]

FOREST RESOURCES

Change the prerequisite to For 294, Quantitative Resource Analysis (3 cr), from "Prereq: Math 160 or perm; prereq or coreq: Stat 251" to "Prereq: Stat 251; coreq: Math 160 or perm." [Spring 2000]

MECHANICAL ENGINEERING

1. Change the curriculum in mechanical engineering (B.S.M.E.) as follows [Fall 1999]:

MECHANICAL ENGINEERING (B.S.M.E.)

This program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology.

Note: Pre-advising is required to register in any ME courses. To graduate in this program, a minimum grade of C must be earned in all ~~engineering, mathematics, and science courses used to satisfy the curriculum~~ required courses except ME 426 and ME 430.

Required course work includes the university requirements (see regulation J-3) and:

- ME 123 Introduction to Mechanical Design (3 cr)

- ME 223 Mechanical Design Analysis (3 cr)
- ME 261 Engineering Materials or Met 201 Elements of Materials Science (3 cr)
- ME 262 Sophomore Laboratory(2 cr)
- ME 301 Advanced Engineering Graphics (3 cr)
- ME 313 Dynamic Modeling of Engineering Systems (3 cr)
- ME 323 Mechanical Engineering Design Seminar (3 cr)
- ME 324 Dynamic Analysis in Machine Design (3 cr)
- ME 330 Experimental Methods for Engineers (3 cr)
- ME 341 Intermediate Mechanics of Materials (3 cr)
- ME 345 Heat Transfer (3 cr)
- ~~ME 391 Mechanical Engineering Seminar (1 cr)~~
- ME 424 Mechanical Systems Design I (3 cr)
- ME 425 Machine Component Design (3 cr)
- ME 426 Mechanical Systems Design II (3 cr)
- ME 430 Senior Laboratory (3 cr)
- ME 435 Thermal Energy Systems Design (3 cr)
- Chem 111 Principles of Chemistry I (4 cr)
- CE 411 Engineering Fundamentals (0 cr)
- EE 207 Introduction to Electrical Engineering (3 cr)
- Engr 105 Engineering Graphics (2 cr)
- Engr 210 Engineering Statics (3 cr)
- Engr 220 Engineering Dynamics (3 cr)
- Engr 320 Engineering Thermodynamics & Heat Transfer (3 cr)
- Engr 335 Engineering Fluid Mechanics (3 cr)
- Engr 350 Engineering Mechanics of Materials (3 cr)
- Engl 317 Technical & Engineering Report Writing (3 cr)
- Math 170, 175, 275 Analytic Geometry & Calculus (1 cr)
- Math 310 Ordinary Differential Equations (3 cr)
- Phys 211, 212, 213 Engineering Physics I-II-III (12 cr)
- ~~Stat 301 Probability & Statistics (3 cr)~~
- Humanities and social sciences electives, including ~~one 300-400 level course from an approved list~~ AmSt 301 and Econ 201 or 202 or 272 (~~17~~ 14 cr)
- Technical electives selected from ME 304, 409, 410, 412, 413, 420, 422, 427, 433, 443, 444, 451, 461, 463, 472, 473, 476, 481 ~~(see note 1 below)~~ (~~12~~ 9 cr)
- Free electives (2 cr)

The minimum number of credits for the degree is ~~130~~ 128, not counting Engl 101, Math 143, and other courses that might be required to remove deficiencies.

A grade of C or better is required in each specified lower-division course before registration is permitted in upper-division mechanical engineering courses. The specific lower-division courses are: ~~CE 210,~~ Chem 111, EE 207, Engr 105, 210, 220, Engl 102, Math 170, 175,~~and~~ 275, and 310, ME 123, 223, 261, and 262, Phys 211, 212, 213. In addition, a grade higher than C must be earned in at least five of these courses. A grade of P (pass) in any of these courses is considered as a C grade in satisfying this certification requirement.

~~NOTE (1): The 12 cr in technical electives must be selected subject to the following guidelines: (1) electives must be in approved upper-division courses (300-level or above); (2) a minimum of 9 cr must be taken from ME courses; (3) elective courses must be chosen so a minimum of four design units is achieved as follows: (a) one design unit: ME 412, 413, 422, 433, 443(s), 463; (b) two design units: ME 304, 409, 410, 427, 444, 451, 461, 472, 473, 476, 481.~~

2. Add a new academic minor in mechanical engineering as follows [Summer 1999]:

MECHANICAL ENGINEERING MINOR

- ME 123 Introduction to Mechanical Design (3 cr)
- ME 223 Mechanical Design Analysis (3 cr)
- Engr 105 Engineering Graphics (2 cr)
- Engr 210 Engineering Statics (3 cr)
- Engr 220 Engineering Dynamics (3 cr)
- Courses selected from the following (including at least 6 cr from ME courses) (9 cr)
    - ME 313 Dynamic Modeling of Engineering Systems
    - ME 324 Dynamic Analysis in Machine Design
    - ME 341 Intermediate Mechanics of Materials
    - ME 345 Heat Transfer
    - Engr 320 Engineering Thermodynamics & Heat Transfer
    - Engr 335 Engineering Fluid Mechanics
    - Engr 350 Engineering Mechanics of Materials

MICROBIOLOGY, MOLECULAR BIOLOGY AND BIOCHEMISTRY

Add MMBB J475/J575 Molecular Biology of Cells (3 cr). Introduction to the organization and function of the major components of the eukaryotic cell; emphasis on the composition of cells, the structures and assembly processes of molecules that make upcells, diversity of cell types found in multicellular organisms, and how common interacting processes are coordinately controlled; understanding concepts that bridge biochemistry, molecular biology, and basic physiology. Students registering for MMBB 575 are required to complete a paper on a selected topic and give a 30-minute presentation on it to the class. Prereq: Biol 201 and either MMBB 300 or 380. [Spring 2000]

RANGE RESOURCES

1. Change the credits of Rnge 553, Foraging Behavior of Rangeland Herbivores, from "2 cr" to "3 cr." [Spring 2000]

2. Add Rnge 570 World Biomes (2 cr). A comprehensive survey and analysis of world biomes, which are continental-sized ecosystems; team projects with computer-based information technology (geographical information systems, digital media, and interactive multimedia programs) to analyze the structure and function of biomes; comprehensive analysis of interrelationships among the environment, flora and fauna, and major human influences on biomes. Prereq: a course in general ecology (e.g., Rnge 221 or Biol 331), general botany (e.g.,

Bot 311), and an advanced course in community ecology (e.g., Rnge 459 or Bot 432), or perm. [Summer 2000]

WILDLIFE RESOURCES

Change the number of WLF 442, Wildlife Management (4 cr), to WLF 492. [Summer 2000]

FOR THE FACULTY'S INFORMATION

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

Add "ID&WS" to AdEd J428/J528, Program Development in Adult Education (3 cr). WSU Ag Ed 401/501. [Fall 1999]

Add Bot WS580, Protein Targeting in Plant Cells (3 cr). WSU Pl Ph 580. [Fall 1999]

Add "ID&WS" to CS 324, Computer Graphics (3 cr). WSU CptS 442. [Fall 1999]

Add "ID&WS" to CS 445, Systems Program Design (4 cr). WSU CptS 452. [Fall 1999]

Add FCS WS438, Nutrition Education (3 cr). WSU FSHN 436. [Effective Fall 1999 ONLY]

Drop FCS WS511, Research Methods I (3 cr). WSU H D 513 [retain FCS WS521 as being cooperative with H D 513]. [Spring 2000]

Add "ID" to Fish 514, Fish Population Ecology (2 cr). WSU Zool 514. [Fall 1999]

Remove FST WS434 from dormant status and redisplay it in the General Catalog as follows: FST WS434 Agricultural Processing Laboratory (1 cr). WSU AgTM and FSHN 434. Experiments in heat transfer, fluid flow, and dehydration. [Summer 2000]

Delete "WS" from Japn ID&WS101-ID&WS102, Elementary Japanese I-II (4 cr). WSU Japn 101-102. [Summer 1999]

Delete "WS" from Japn ID&WS201-ID&WS202, Intermediate Japanese I-II (4 cr). WSU Japn 303-304. [Summer 1999]

Add LArc ID&WS559, Understanding the Northern Rocky Regional Landscapes (4 cr). WSU L A 520. [Fall 1999]

Add LArc ID&WS560, Cultural Interpretation of Regional Landscapes (4 cr). WSU L A 521. [Fall 1999]

Add LArc ID&WS580, Philosophy and Theory in Contemporary Landscape Architecture (3 cr). WSU L A 540. [Fall 1999]

Add LArc ID&WS581, Methodology and Communication (3 cr). WSU L A 530. [Fall 1999]

Change the credits of PEP WS511, Theories, Research, and Techniques in Counseling Psychology I, from "3 cr" to "3-4 cr." WSU CoPsy 511. [Summer 1999]

Change the credits of PEP WS515, Ethics and Professional Problems in Counseling Psychology, from "3 cr" to "4 cr." WSU CoPsy 515. [Summer 1999]

Add Russ WS307, Speaking Proficiency (3 cr). WSU Rus 307. [Summer 1999]

Add Russ WS317, Contemporary Russian Culture and Society (3 cr). WSU Rus 317. [Summer 1999]