

# **General Curriculum Report #204**

**UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE**

**April 26, 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.

## **AGRICULTURAL ECONOMICS**

1. Add AgEc 370 Natural Resource Management (3 cr). Course available only to students at off-campus locations. Efficiency, equity, resource conservation, and environmental preservation as management goals; principles of resource valuation; single-use and multiple-use management; property rights, externalities, and related policy issues; methods for cost-benefit, trade-off, and economic and environmental impact analysis; current resource conflict issues. Prereq: Econ 201, Math 143. [Fall 1999]
2. Add AgEc 470 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. Prereq: perm. [Fall 1999]
3. Add AgEc 471 Agricultural and Food Policy Issues (3 cr). Course available only to students at off-campus locations. Principles of agricultural and food policy formulation; agricultural adjustment processes; agricultural price and income policies in relation to land use, water, and rural development policies; interrelationships among U.S. and foreign agriculture and trade policies. Prereq: Econ 201. [Fall 1999]

## **AGRICULTURAL EDUCATION**

Add AgEd 451 Communicating in Agriculture (2 cr). Principles and practices of disseminating knowledge and information related to agricultural sciences, environment, and natural resources to clients and the general public; communications concepts, technology, and presentation skills

that will help agricultural and natural resource professionals communicate effectively within their chosen profession. [Fall 1999]

## **ANTHROPOLOGY**

Change the description of Anth ID-J422/ID-J522 to read [Fall 1999]:

Anth ID-J422/ID-J522 Plateau Indians (3 cr). WSU Anth 428/528. ~~Readings in standard ethnographic literature of native peoples of Pacific Northwest~~ 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.

## **BIOLOGICAL AND AGRICULTURAL ENGINEERING**

1. Change the major in agricultural engineering (B.S.Ag.E.) by (a) reducing the number of humanities and social sciences electives from 16 to 14 credits and (b) increasing the number of undesignated electives from 2 to 4 credits. [Summer 1999]
2. Change the major in biological systems engineering (B.S.B.Sy.E.) by (a) reducing the number of humanities and social sciences electives from 16 to 14 credits, (b) increasing the number of undesignated electives to 3 credits, and (c) reducing the minimum number of credits for the degree from 131 to 130. [Summer 1999]

## **CHEMICAL ENGINEERING**

1. Add ChE 297 ChE Certification (0 cr). Identifies students who have achieved a "C" or better in particular classes and have passed all requirements for upper-division certification. Graded P/F--a pass permits students to proceed with upper-division ChE classes. [Fall 1999]
2. Change the prerequisite to ChE 326, Chemical Engineering Thermodynamics (3 cr), from "Prereq: ChE 223, Engr 320, Math 310; coreq: Chem 305" to "Prereq: ChE 223 and 297, Engr 320 and 335, Math 310; coreq: 305." [Spring 2000]
3. Change the prerequisite to ChE 330, Stagewise Operations (3 cr), from "Prereq: ChE 223, Engr 320; coreq: Chem 305" to "Prereq: ChE 223, 297, and 326, Engr 320; prereq or coreq: Chem 305." [Spring 2000]
4. Change the prerequisite to ChE 423, Reactor Kinetics and Design (3 cr), from "Prereq: ChE 223, Math 310, Chem 305" to "Prereq: ChE 223 and 297, Math 310, Chem 305." [Spring 2000]
5. Change the number and description of ChE 430-431 to read [Spring 2000]:

~~ChE 430-431~~ 340-341 Transport and Rate Processes I-II (4 cr) (ChE 430-431). Transport phenomena involving momentum, energy, and mass with applications to process equipment

design. Coordinated lec-lab periods. Prereq for ~~430~~ 340: ChE 223 and 297, Engr 320 and 335, Math 310. Prereq for ~~431~~ 341: ChE ~~430~~ 340.

6. Change the prerequisite to ChE 433, Chemical Engineering Lab I (1 cr), from "Prereq: ChE 423; coreq: ChE 330 and 431" to "Prereq: ChE 330, 341, 423." [Fall 2000]

7. Change the description of ChE 434, Chemical Engineering Lab II (1 cr), by adding "Prereq: ChE 330, 341, 423." [Fall 2000]

8. Change the prerequisite to ChE 453-454, Chemical Process Analysis and Design (3 cr), from "Prereq for ChE 453: ChE 330, 430; coreq for 453: ChE 431. Prereq for ChE 454: ChE 453; coreq for 454: ChE 423" to "Prereq: ChE 330, 341, 423." [Fall 2000]

9. Change the curriculum in chemical engineering (B.S.Ch.E.) by adding ChE 297, ChE Certification (0 cr). [Fall 1999]

## COMMUNICATION

1. Change the title and description of ComG 288 to read [Spring 2000]:

ComG 288 Introduction to Film Art Studies (3 cr). ~~Intro to aesthetics of film; considers film as a cultural artifact by surveying fundamental aspects of film form, systems, style, and analysis~~ Intro to the study of film; survey of film aesthetics, form, theory, style, systems, and analysis; a foundation course for upper-division film courses--no previous knowledge of film or photography experience required. Two lec, one discussion period, and one film showing period a wk.

2. Change the title and description of ComG 386 to read [Spring 2000]:

ComG 386 ~~American~~ Documentary Film/Television (3 cr). Open to all students. Development of nonfiction film, TV, photography; documentary style and form; documentary's power to communicate; ~~noted practitioners~~; issues raised by documentary; noted practitioners and theorists of documentary. ~~Three lec and one lab a wk~~ Includes one evening film screening a wk.

## COMPUTER SCIENCE

1. Change the prerequisite to CS 112, Introduction to Problem Solving and Programming (3 cr), from "Prereq: high school algebra" to "Prereq: Math 107 or sufficiently high ACT, SAT, or Math Placement Test score to qualify for Math 143." [Spring 2000]

## COUNSELING AND SCHOOL PSYCHOLOGY

1. Change the title of CASP 520 from "Systems Theory: Application to the Family" to "Approaches to Counseling with Families." [Fall 1999]

2. Change the title of CASP 533 from "Principles of Rehabilitation and Community Counseling" to "Principles of Rehabilitation, Community, and School Counseling." [Spring 2000]

3. Change the title, credits, and description of CASP 534 to read [Summer 2000]:

CASP 534 Assessment in Vocational Rehabilitation Rehabilitation and Community Case Management (3-er 2 cr). Methods for integrating and interpreting relevant data to provide people with disabilities knowledge about themselves to facilitate appropriate life decisions; advantages and disadvantages, selection, and administration of a variety of standard and non-standard instruments including intelligence, personality, interest, functional capacity, and vocational assessments Making effective case and case load management decisions including intake interviewing; medical, psychological, and vocational evaluation; job placement and rehabilitation/treatment planning; preparation in writing case histories and notes.

4. Change the title and description of CASP 536 to read [Summer 2000]:

CASP 536 Issues, Ethics, and Law in Counseling Professional Issues, Ethics, and Law in Counseling and School Psychology (3 cr). Analytical process of ethical decision-making as it applies to casework, organizational policy, and law; relevant legal issues and professional responsibilities and duties; stimulates the need for continuous professional enhancement examination of relevant professional and legal issues.

## **DANCE**

1. Change the number and description of Dan 320 to read [Spring 2000]:

Dan 320 J320/J510 Labanotation (3 cr). Alt/yrs. Introduction to methods of notating movement; notating and reading basic elements of Motif Writing and Labanotation. Additional projects/assignments required for graduate credit include a research paper and oral presentation to class comparing early and contemporary notation systems; developing a series of lessons applying notation concepts to technique classes--these lessons must demonstrate the graduate student's comprehension of the symbolic language system of Labanotation. Prereq: perm.

2. Change the number and description of Dan 321 to read [Spring 2000]:

Dan 321 J321/J511 Dance Pedagogy (3 cr). Alt/yrs. Learning styles, teaching styles, and behaviors as they affect teaching and learning in dance; science of dance training. Additional projects/assignments required for graduate credit include observation and analysis of dance teacher behavior in a minimum of two genres and two skills levels; demonstrated ability to integrate pedagogical principles in teaching a minimum of two 50-minute technique classes on the university level. Prereq: perm.

3. Change the number and description of Dan 325 to read [Spring 2000]:

Dan 325 J325/J525 Dance Production (3 cr). Alt/yrs. Organization and production of dance concerts; program planning, marketing, management, costume design, staging the production.

Additional projects/assignments required for graduate credit include working a minimum of 90 hours as production assistant to the director of a mainstage dance theatre production; documenting the process and producing a detailed production notebook (manual) for that position.

4. Change the number and description of Dan 383 to read [Spring 2000]:

Dan 383 J383/J583 Dance Composition (1 cr, max 6). Improvisation and choreography using basic composition elements; advanced exploration of choreographic procedures and performance. Additional projects/assignments required for graduate credit include a written discussion and oral presentation of a minimum of four major choreographic works based upon video analysis and research in dance history and criticism. Prereq: Dan 105 or 216 (Modern I/II) and perm.

## **EDUCATION**

1. Add ED 101 Orientation to the Teaching Profession (1 cr). Prospective teachers examine current trends in education, school-based practices, and professional responsibilities of school personnel. [Fall 1999]

2. Add ED 301 Principles of Learning and Development in Education (3 cr). Theoretical and practical applications of the process of human growth, development, and learning within diverse educational communities. Two lec and 2 hrs of lab a wk. Prereq: ED 201 or perm. [Fall 1999]

3. Add ED 302 Curriculum, Instruction, and Assessment Strategies (3 cr). Examination of the curriculum development process, knowledge of instructional planning and models of teaching, and an understanding of a wide array of formal, informal, and authentic assessment strategies within and across teaching disciplines; classroom management, exceptionality, philosophical foundations, technology, multi-cultural issues, and instructional inquiry examined within each of these processes. Prereq: ED 301 or perm. [Fall 1999]

4. Add ED 401 Professional Role Development (1-3 cr, max 3). Preservice teachers will examine and evaluate the application of foundational knowledge of teaching, learning, and evaluation; school structures and professional roles; family and community resources and concerns; funding processes; legal and legislative issues; and professional development. Prereq: ED 302 and program recommendation; coreq: enrollment in full-year internship. [Fall 1999]

## **GEOLOGICAL ENGINEERING**

Change the title of GeoE ID444 from "Seismic Hazards Analysis" to "Earthquakes and Seismic Hazards." [Fall 1999]

## **GEOLOGY**

1. Change the title and description of Geol 261 to read [Spring 2000]:

Geol 261 Survey of Rocks Lithology (2 cr). Survey of origin, classification, and uses of rocks classification, uses, and description of rocks. One lec and one 2-hr lab a wk; two 1-day field trips. Prereq: Geol 260 or 249 (Geol 249 may be taken as coreq) Geol 101 or 111.

2. Change the credits and description of Geol 375 to read [Fall 1999]:

Geol 375 Geology of National Parks (2 or 3 cr). Primarily for non-geology majors who want to acquire a better knowledge of geologic concepts and processes through study of geology of national parks Geologic processes, concepts, and history as seen in national parks. One 6-day field trip. Recommended preparation Prereq: Geol 101 or 102 or 111 or Geog 100.

3. Change the title of Geol ID444 from "Seismic Hazards Analysis" to "Earthquakes and Seismic Hazards." [Fall 1999]

4. Change the description of Geol 498 to read [Spring 1999]:

Geol 498 Senior Thesis (1-4 cr, max 4). Completion of original research and report; requires public defense. If taken over 2 semesters, first semester is graded IP until completion of second semester. Prereq: senior status and perm.

5. Add Geol ID546 Fault Mechanics (3 cr). Examination of fundamental concepts of fault mechanics, including brittle failure, rock friction, fluid pressure effects, and variable rheological behaviors; examination of internal fault architectures to distinguish fault zone styles; stress, strain, and displacement fields addressed from a theoretical perspective and the application of geodetic measurement techniques and secondary structure analyses; emphasis on interpretation of fault slip distributions and relationship to rock properties, fault shape, and mechanical interaction in echelon fault systems; such insights placed in context of 3-D fault systems geometric evolution as well as earthquake behavior and seismic hazard recognition. One weekend field trip. Prereq: Geol 345. [Fall 1999]

## **INTERNATIONAL STUDIES**

1. Change the curriculum in international studies (B.A.) as follows [Summer 1999]:

### **INTERNATIONAL STUDIES (B.A.)**

[no change in wording through the requirement for regional emphases]

Demonstrated proficiency in a modern foreign language correlating with the region of emphasis and equivalent to that gained from six semesters of university study (0-22 cr)

In addition, international experience in the student's region of emphasis is required for all students in this major. The experience must extend consecutively for at least 10-12 weeks, be qualified for at least 12 credits, and include an academic project or assignment and immersion in the culture of the country. All costs associated with the international experience are the responsibility of the student. Exceptions to this requirement will be considered on a case-by-case

basis and approved by the IS coordinator. ~~The requirement of international experience may be satisfied by:~~

~~a. Academic Experience.~~ The requirement of international experience will normally be fulfilled by completing a registered credit program such as study abroad, student exchange, student teaching, or internship. In general, credits are registered on the UI campus; course work and field experience are taken abroad.

~~b. Work Abroad. Fulfilled by completing a~~ In some cases, permission may be granted to complete a noncredit work experience that places the student abroad for a contracted length of time. ~~In general, the~~ Normally this work assignment ~~is taken~~ will be completed during the degree program. In some instances, prior work experience may be accepted based on the following criteria: verification, length, nature, recentness, and relevancy of experience.

~~c. Past Work Abroad. A student who has had previous contracted experience abroad (e.g., Peace Corps), petitions for acceptance. A panel of three faculty members assesses the merits of the experience based on, but not limited to, the following criteria: verification, length, nature, recentness, and relevancy of experience.~~

ISSUE EMPHASES IN INTERNATIONAL STUDIES [no change in lists of courses]

REGIONAL EMPHASES IN INTERNATIONAL STUDIES

A. Latin America--delete Hist 210

B. Europe--delete Hist 345, 350, and 366; add Span 306 as an alternative to Span 305

C. Asia-Africa--add Hist 482, 483, and 484

COMPARATIVE WORLD SOCIETIES AND CULTURES [no change in list of courses]

2. Change the first paragraph under the academic minor in international studies as follows [Summer 1999]:

In consultation with the ~~International Studies Committee (ISC)~~ International Studies coordinator, students electing this academic minor submit an individual study plan emphasizing (a) international relations, (b) international economics and business, or (c) global resources and development.

**MATHEMATICS**

1. Change the credits of Math 130, Finite Mathematics, from "4 cr" to "3 cr." [Spring 2000]

2. Change the credits of Math 161, Survey of Calculus II, from "4 cr" to "3 cr." [Spring 2000]

3. Add Math 455 Applied Actuarial Science II (0 cr). Review of probability theory in preparation for Actuarial Exam 1. Prereq: Math 451. [Spring 2000]

4. Change the curriculum in applied mathematics (statistics option) (B.S.) by replacing CS 213, Data Structures, with CS 113, Program Design and Algorithms, in the second list of electives. [Fall 1999]

5. Change the curriculum in applied mathematics (computation option) (B.S.) by adding CS 113, Program Design and Algorithms (3 cr), as a required course. [Fall 1999]

6. Change the curriculum in applied mathematics (actuarial science option) (B.S.) to read [Summer 2000]:

#### D. ACTUARIAL SCIENCE OPTION

- Math 310 Ordinary Differential Equations (3 cr)
- Math 326 Linear Programming (3 cr)
- Math 433 Numerical Analysis (3 cr)
- Math 451 Probability Theory (3 cr)
- Math 452 Mathematical Statistics (3 cr)
- Math 455 Applied Actuarial Science II (0 cr)
- Three courses selected from the following (8-9 cr)
  - Math 432 Numerical Linear Algebra
  - Math 453 Stochastic Models
  - Math 471 Advanced Calculus
  - Math 472 Advanced Calculus
  - Math 475 Analysis of Algorithms
  - Stat 422 Sampling Methods
  - Stat 510 Regression
  - Stat 514 Nonparametrics
  - Stat 521 Multivariate Analysis
- Three math courses numbered above 400, excluding Math 441-449 (9 cr)
- Acct 201-202 Introduction to Accounting (6 cr)
- Bus 301 Financial Management (3 cr)
- Bus 364 Insurance (3 cr)
- At least one course selected from the following (3 cr)
  - Bus 401 Investments
  - Bus 405 Portfolio Management
  - Bus 332 Quantitative Methods in Business
  - Econ 351 Intermediate Macroeconomic Analysis
  - Econ 352 Intermediate Microeconomic Analysis
  - Econ 353 Quantitative Economics & Forecasting
  - Econ 453 Econometrics
- Econ 201, 202 Principles of Economics (6 cr)
- One course selected from the following (3-4 cr)
  - Stat 301 Probability & Statistics (recommended)

- Stat 251 Principles of Statistics
- Stat 271 Statistical Inference & Decision Analysis
- Stat 401 Statistical Analysis (3 cr)
- One course selected from the following (3 cr)
  - Stat 433 Econometrics
  - Stat 510 Regression
  - Stat 525 Econometrics

## **MECHANICAL ENGINEERING**

1. Drop ME 222, Tools for Design Analysis (1 cr) [dormant]. [Summer 1999]

2. Add ME 297 ME Certification (0 cr). Identifies students who have achieved a "C" or better in particular classes and have attained a grade better than "C" in five of these same classes. Graded P/F--a pass permits students to proceed with upper-division classes. [Fall 1999]

3. Add ME 301 Advanced Engineering Graphics (3 cr). Two and three dimensional graphics applications; use of solid modeling software in engineering design; integration of computer-aided design, analysis, and manufacturing. Prereq: ME 223, Engr 105; coreq: ME 297. [Fall 1999]

4. Change the prerequisite to ME 313, Dynamic Modeling of Engineering Systems (3 cr), from "Prereq: EE 207, Math 310" to "Prereq: ME 223 and 297, Engr 220, EE 207, Math 310." [Spring 2000]

5. Change the prerequisite to ME ID&WS324, Dynamic Analysis in Machine Design (3 cr), from "Prereq: Math 310, Engr 220, ME 223" to "Math 310, Engr 220, ME 223 and 297." [Spring 2000]

6. Change the prerequisite to ME 330, Experimental Methods for Engineering (3 cr), from "Prereq: ME 223, 262; coreq: EE 207, Engr 320, 335, and 350" to "Prereq: ME 223, 262; coreq: ME 297, Engr 320, 335, and 350, EE 207." [Spring 2000]

7. Change the prerequisite to ME 341, Intermediate Mechanics of Materials (3 cr), from "Prereq: Engr 350" to "Prereq: ME 297, Engr 350." [Spring 2000]

8. Change the prerequisite to ME ID&WS345, Heat Transfer (3 cr), from "Prereq: Engr 320, Math 310, ME 223 or perm" to "Prereq: ME 223 and 297, Engr 320, Math 310." [Spring 2000]

9. Change the number, title, credits, and description of ME 391 to read [Spring 2000]:

ME ~~391~~ 323 Mechanical Engineering Design Seminar (~~4~~ 3 cr) (ME 391). Professional practice and technical topics including ethics, safety, engineering practice, ~~and employment~~; green engineering, societal impact, health and safety, and manufacturability related to engineering design; emphasis on further development of oral presentation and writing skills. Prereq: ~~junior standing in mechanical engineering~~ ME 297; coreq: ME 223.

10. Change the prerequisite to ME 424, Mechanical Systems Design I (3 cr), from "Prereq: C or better in Engr 320, 335, 350, ME 391, and perm" to "Prereq: ME 297, 301, 323, 324, 341, 345, Engr 335." [Spring 2000]

11. Change the prerequisite to ME 425, Machine Component Design (3 cr), from "Prereq: ME 261, 324, 341" to "Prereq: ME 261, 297, 324, 341." [Spring 2000]

12. Change the prerequisite to ME 426, Mechanical Systems Design II (3 cr), from "Prereq: ME 313, 324, 330, 341, 345, and 424; coreq: ME 425 and 435" to "Prereq: AmSt 301, Econ 201, 202, or 272, ME 297, 313, 330, 424, 425, 435." [Spring 2000]

13. Change the prerequisite to ME 430, Senior Lab (3 cr), from "Prereq: ME 330 and Stat 301; coreq: Engl 317" to "Prereq: ME 297, 313, 330; coreq: Engl 317." [Spring 2000]

14. Change the prerequisite to ME 435, Thermal Energy System Design (3 cr), from "Prereq: Engr 335, ME 345" to "Engr 335, ME 297, 345." [Spring 2000]

15. Change the curriculum in mechanical engineering (B.S.M.E.) by adding ME 297, ME Certification (0 cr). [Fall 1999]

## **MICROBIOLOGY, MOLECULAR BIOLOGY AND BIOCHEMISTRY**

1. Change the title of MMBB 520 from "Instrumental Analysis for Biologists" to "Instrumental Analysis." [Spring 2000]

2. Change the number and description of MMBB ID568 to read [Fall 1999]:

MMBB ~~ID568~~ ID-J468/ID-J568 Microbial Transformations (3 cr). WSU Micro 568. Use of microbes in the biodegradation of wastes and bioprocessing to produce valuable chemical stocks. Additional laboratory and library work required for graduate credit. Prereq: MMBB 380, 460.

## **PSYCHOLOGY**

Change the title and description of Psyc 419 to read [Fall 1999]:

Psyc 419 ~~Psychology of Aging~~ Adult Development and Aging (3 cr). ~~Analysis of intellectual and memory changes with aging; diagnosis of senile dementia and pseudodementia; study of psychological problems of aging, plasticity of functioning, and ingredients of successful aging~~ Analysis of change from early adulthood through death in the areas of social, cognitive, and physical development; examination of theories, concepts, and research in the area of lifespan development; study of the problems of aging, plasticity of functioning, and ingredients of successful aging.

## **FOR THE FACULTY'S INFORMATION**

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

Add Ag WS310, Accessing Information for Research (1 cr). WSU GenEd 300. Course available only to students at off-campus locations. [Fall 1999]

Add "ID&WS" to AgEc 278, Principles of Farm and Ranch Management (3 cr). WSU Ag Ec 340. AgEc WS278 available only to students at off-campus locations. [Fall 1999]

Add AgEc WS435, Natural Resource Law (3 cr). WSU Ag Ec 435. [Fall 1999]

Add "ID" to AgEc 467, Economics of Rural Community Development (3 cr). [Fall 1999]

Add AgEd WS440, Principles of Vocational Education (2-3 cr). WSU Ag Ed 440. Course available only to students at off-campus locations. [Fall 1999]

Add Ent WS348, Forest Entomology (2 cr). WSU Entom and NATRS 348. Course available only to students at off-campus locations. [Fall 1999]

Add PISc WS313, Viticulture and Small Fruits (3 cr). WSU Hort 313. [Fall 2000]

Add "ID" to PISc 547, Biometrics for Plant Scientists (3 cr). WSU CropS 547. [Spring 2001]