General Curriculum Report #256

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE

December 11, 2009

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 28 calendar days after the date of circulation. If no petition is received within 28 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 Letters, Arts and Social Sciences or in the College of Agricultural and Life Sciences, and is signed by five faculty members of the respective college, those items will be returned to the college concerned for further consideration.

Accounting

1. Change the prerequisites of the following course [Effective: Summer 2010]

Acct 202 Introduction to Managerial Accounting (3 cr)

Intro to cost behavior and managerial use of accounting information for planning, control, and performance evaluation. May involve evening exams.

Prereq: Acct 201

Adult, Career, and Technology Education

1. Drop the following courses [Effective: Summer 2010]

PTTE 173 PTTE Principles of Engineering and Technology (3 cr)

Principles of Engineering and Technology introduces students to the design, build, and analyze aspect of engineering. Students learn to integrate scientific, engineering, and mathematical concepts into the problem solving process.

Recommended Equivalency: PTTE 370

incorporate both areas.

PTTE 273 Power, Energy, and Transportation Technology (3 cr)

This course examines traditional and alternative energy sources of energy to power an industrial society. Students will use the design process to research, design, build models, and evaluate their solutions to several energy and transportation problems.

Recommended Equivalency: PTTE 370

PTTE 355 Professional-Technical Education Micro-Enterprises (3 cr)

In preparation for running a Technology Student Association (TSA) club in their school, students will explore mass production systems, marketing, and entrepreneurship and learn how to fund club related activities at the state and national level. Recommended Preparation: PTTE 152, PTTE 225 and PTTE 352; or Work Experience.

Recommended Equivalency: PTTE 431

2. Add the following course [Effective: Summer 2010]

PTTE 370 Transportation & Engineering Technologies (4 cr)

Working in design teams, students will use the engineering design process to integrate scientific, technological, engineering, and mathematical concepts into their proposed solutions to power, energy and transportation issues. Students will research, design, build and evaluate their potential solutions in a hands-on laboratory environment. Recommended Preparation: Math 143 and Phys 111.

3. Change the title of the following course [Effective: Summer 2010]

PTTE 494 Senior Design-Project (3 cr)

In the last year of study, students select an individual design project related to their area of specialization within technology education. Some students may have the option of joining a Senior Design Team in the College of Engineering. Project must be approved by instructor.

4. Change the description of the following courses [Effective: Summer 2010]

PTTE 449 Appropriate Technology and Alternative Energy (3 cr)

Exploration of new and emerging technologies and energies with focus on social, cultural, economic, and political considerations. Students will also participate in hands-on lab activities allowing them to incorporate these technologies into their lives.

PTTE 462 Communication Technology (3 cr)

Investigation and laboratory activities associated with of a variety of communication technologies, including interpersonal, human to machine and machine to machine, through contemporary devices and materials. The first part of this course investigates the evolution of communication technology, and the problems associated with interpersonal human communication and human to machine communication. The second part of the course covers the Infinity Pre-engineering program which investigates the science and mathematics in technologies such as cell phones, music, and video. Recommended Preparation: PTTE 415.

5. Change the description, prerequisites, and title of the following course [Effective: Summer 2010]

PTTE 417 Teaching and & Learning in Technology Education through STEM Integration (3 cr)

Students examine a variety of approaches to teaching and assessment methods for technology educators at the secondary level. Students examine research-based approaches to the selection and application of appropriate teaching and assessment methods for engineering and technology education educators at the middle and high school level. Instructional strategies best suited to learning technical skills, related academics, problem solving, and hands-on activities will be explored through the lens of Science, Technology, Engineering, and Mathematics (STEM) integration.

Prereq: EDCI 201, and EDCI 301, and PTTE 310

6. Change the description and title of the following courses [Effective: Summer 2010]

AdOL 574 Foundations of Adult and Transformational Learning (3 cr)

Transformative learning theory is an essential part of this course. The best practices for reflecting upon existing personal, organizational, environmental, and social sustainability mental models and questioning norms are explored and practiced. Cognitive, humanistic, social learning, behavioral, constructivist, and developmental learning theories for adults are foundational elements of the course. Psychological, social, and physiological characteristics of adult learners; relationships to family, friends, and fellow citizens.

AdOL 581 Theory, & Practices, and Challenges of of Sustainable Leadership (3 cr)

Analysis and study of leadership of the human resource in organizations; theories, styles, and methods of effective sustainable leadership developed from past leaders blended with current models of leadership.

7. Change the prerequisites and title of the following course [Effective: Summer 2010]

PTTE 353 Advanced Manufacturing Systems (3 cr)

In-depth examination and implementation of manufacturing theory and processes including research and development, product planning and controlling. Topics, such as Lean Manufacturing, Kanban, relating to manufacturing facilities and management of manufacturing processes will be discussed, studied and implemented in the manufacture of a designed product in quantity.

Prereq: PTTE 267 or Engr 105; and PTTE 352310

8. Change the credits, prerequisites, and title of the following course [Effective: Summer 2010]

PTTE 481 Computer Integrated Manufacturing and Robotics (3-4 cr)

In-depth examination and implementation of advanced computer aided drafting, 3D solids modeling, computer numerical control, basic and advanced toolpath generation, virtual machining environments, and robotics applications. Enrollment per section limited to lab stations available.

Prereq: PTTE 267 or Engr 105; and PTTE 310, PTTE 352, and ASM 202

9. Change the credits, description, and title of the following course [Effective: Summer 2010]

PTTE 310 Production Lab Safety, Management, and Liability (3-4 cr)

Overview of operations, use, and maintenance of laboratory tools and equipment, laboratory management and liability concerns. Students will learn and demonstrate the safe use of tools, machines, and lab equipment. Knowledge will be applied to both industrial and educational settings. This is intended to be the first course taken in PTTE for technology education and industrial technology majors.

10. Change the credits, description, number, and title of the following course [Effective: Summer 2010]

PTTE 252 354 Green-Construction Technology (3-4 cr) (PTTE 252)

Teaching techniques and methods of instruction for a systems approach to construction technology including residential, commercial, and civil. The theory and the praxis hands on how to of green building. Concepts such as structure, building loads, thermal mass, insulation and more are addressed and basic traditional building techniques will be addressed. Alternative building methods such as earth plaster, straw bale, cordwood, cob, and living roofs are examined and are experimented with. Recommended Preparation: PTTE 152 or Work Experience 310.

11. Change the description, subject prefix, and title of the following course [Effective: Summer 2010]

PTTE AdOL_507 The Future of Education and Work for Sustainability (3 cr) (PTTE 507)

Study and application of secondary and postsecondary curriculum and instruction focusing on sustainability as it relates to technical education, workforce and organizational development, "green" technologies and Science, Technology, Engineering and Mathematics (STEM) Proactive study of the potential futures in education and work; examination of futurist theory and the change process.

12. Change the subject prefix of the following courses [Effective: Summer 2010]

Change Adult and Organizational Leadership (AdOL) to Adult, Organizational Learning, and Leadership (AOLL)

13. Change the subject prefix of the following courses [Effective: Summer 2010]

Change Professional-Technical and Technology Education (PTTE) to Career and Technical Education (CTE)

The following **PTTE** courses are associated with the TTD program that is being transferred to the College of Engineering and will remain as **PTTE** courses for the time being: PTTE 333, 362, 364, 432, 434, 435, 436, 443, 446, 448, 452, 454, 466, 474, 483, 486, 512, 513, 514, 516, 523, 524, 525, 526, 527, 528, 529, 533, 534, 535, and 552.

14. Change the curricular requirements of **Professional-Technical and Technology Education** (B.S.Ed.) [**Effective**: Summer 2010]

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C. Technology Education Option

Requirements include the General Professional-Technical and Technology Education Requirements, the satisfactory completion of the PRAXIS II Content Area Exam, and the following:

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ASM 107 Beginning Welding (2 cr)
ASM 202 Agricultural Shop Practices (2 cr)
Comm 101 Fundamentals of Public Speaking or Comm 132 Oral Interpretation (2 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)
EDCI 302 Teaching Culturally Diverse Learners (4 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
EDSP 300 Educating for Exceptionalities (2 cr)
Engl 317 Technical Writing (3 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
Phys 111 General Physics I (4 cr)
Phys 112 General Physics II (4 cr)
Psyc 101 Intro to Psychology or Psyc 305 Developmental Psychology (3 cr)
PTTE 130 Introduction to Electricity and Electronics (3 cr)
PTTE 152 Manufacturing: Non-Metallic Materials and Processes
PTTE 173 PTTE Principles of Engineering and Technology (3 cr)
PTTE 252 354 Green Construction Technology (3 cr)
PTTE 267 Computer Aided Drafting/Design (3 cr)
PTTE 273 Power, Energy, and Transportation Technology (3 cr)
PTTE 310 Lab Safety, Management, and Liability (4 cr)
PTTE 352 Manufacturing: Metallic Materials and Processes (3 cr)
PTTE 353 Manufacturing Systems (3 cr)
PTTE 355 Professional-Technical Education Micro-Enterprises (3 cr)
PTTE 370 Transportation & Engineering Technologies (4 cr)
PTTE 410 Technology and Society (3 cr)
PTTE 415 Microcomputer Applications (3 cr)
PTTE 416 Website Design and Development (3 cr)
PTTE 417 Teaching and Learning in Technology Education (3 cr)
PTTE 426 Occupational Analysis and Curriculum Development (3 cr)
PTTE 428 Computer Integrated Systems (3 cr)
PTTE 438 Digital Electronics (3 cr)
PTTE 449 Appropriate Technology and Alternative Energy (3 cr)
PTTE 462 Communication Technology (3 cr)
PTTE 481 Computer Integrated Manufacturing and Robotics (4 cr)
PTTE 484 Internship in Professional-Technical and Technology Education Teaching (18 cr)
PTTE 494 Senior Design Project (3 cr)
        ended Engineering and Technology Electives:
     ASM 210 Small Engines (2 cr)
    Arch 154 Introduction to Architectural Graphics (2 cr)
     Engr 105 Engineering Graphics (2 cr)
     PTTE 353 Advanced Manufacturing Systems (3 cr)
    PTTE 416 Website Design and Development (3 cr)
     PTTE 428 Computer Integrated Systems (3 cr)
     PTTE 475 LAN Technology (3 cr)
                      ter Integrated Manufacturing (3 cr)
Electives to total 129 credits
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15. Change the curricular requirements of **Human Resource Development**(Certificate - Graduate) [**Effective**: Summer 2010]

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AdOL 510 Foundations of Human Resource Development (3 cr)

Four of the following (12 cr):

AdOL 526 Instructional Design and Curriculum (3 cr)
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AdOL 528 Program Planning, Development, and Evaluation (3 cr)

AdOL 560 Career Development in Organizations (3 cr)

AdOL 577 Organization Development (3 cr)

AdOL 581 Theory, & Practices, and Challenges of of Sustainable Leadership (3 cr)

AdOL 583 Organizational Leadership (3 cr)

Credits to total 15 for this Academic Certificate

Agricultural and Extension Education

1. Change the description and prerequisites of the following course [Effective: Summer 2010]

AgEd 358 Supervising FFA and SAE Programs (2 cr)

Role of secondary agriculture instructors in supervising FFA and Supervised Agricultural Experience programs. One lecture and one 2-hr lab a week. (Fall only)

Prereq: AgEd 180

Architecture and Interior Design

1. Add the following courses [Effective: Summer 2010]

Arch 243 Digital Design Tools for Architecture and Interior Design (2 cr)

Introduction to software programs for use in designing the built environment. Including but not limited to 3-D modeling. (8 weeks)

Prereq: Arch 154

Arch 244 Computer Aided Drafting and Modeling (2 cr)

Introduction to computer-aided drafting and modeling techniques and applications.

Prereq: Arch 154

Arch 410 Sketching for Architecture (2 cr)

Instruction in intermediate through advanced architectural sketching, painting, and place-recording techniques. A variety of media techniques will be employed, including graphite, charcoal, colored pencil, pen & ink, and watercolor. The majority of work will be completed in class, with additional homework assignments outside class and on field trips. Recommended Preparation: Basic sketching abilities, as developed in Arch 154 and subsequent architectural design studios.

Arch 430 Rome Preparatory Seminar (2 cr)

Seminar preparing students for summer study abroad in Rome, Italy. Introduces academic courses to be taken in Rome, and begins research and information-gathering tasks for Design Studio and Rome Design History courses. Also includes practical matters such as travel planning, money, safety, and basic language skills. (Spring only)

Arch 431 Rome Design History (2 cr)

Lecture course conducted in Rome, Italy, focused on the essential eras of Roman history related to design (art, architecture, urban planning, etc.): Republican & Imperial Rome; Early Christian Rome; Renaissance & Baroque Rome; the "Third Rome" of the Risorgimento and Mussolini; Contemporary Rome of the late-20th and early-21st Centuries.

Prereq: Arch 430

Arch 512 Identity and Place in Global Space (3 cr)

A seminar focused on contemporary issues related to architecture in an increasingly globalized world. Themes, theories, and issues may include symbolic architecture and identity, colonization/postcolonialism/neocolonialism, modernity and tradition, space and power, themed spaces/simulacra, ethnoburbs and globurbs, and transnational planning processes. Recommended Preparation: Arch 386.

Arch 513 Architectural Theory: Modernism into Postmodernism (3 cr)

This seminar provides an overview of architectural theory focusing primarily on work done after 1968. Reading and discussion will center on topics such as structuralism, post-structuralism, phenomenology, semiology, Marxism, as well as other cultural perspectives as they prove germane to understanding Modern, Postmodern, and contemporary architectural discourse and practice. Recommended Preparation: Graduate standing.

Arch 552 Alternative Graduate Design Experience (4-6 cr)

Independent exploration of specific issues in architecture and/or urban design. An application, including Independent study plans and credits must be approved by the Department during the semester before the proposed study. Recommended Preparation: Bachelor of Science in Architecture.

Arch 580 British Green Architecture (2 cr)

Preparation for students who will participate in the summer studies abroad program in London, including basic research on green building in the UK, helping plan the itinerary. All logistical preparations for studies abroad will be discussed and students are familiarized with both green approaches to design and British culture. (Spring only)

Arch 581 Eco Urban Design (3 cr)

Introduction to urban design including urban space and form, building configuration and form, transportation, ecological, environmental and social considerations and issues. Three hours per wk and assigned work; field trips may be reqd at student expense; some class sessions will meet outside of scheduled hours. Recommended Preparation: Arch 483. (Fall only)

Arch 582 Housing Typologies and Issues (3 cr)

Introduction to housing typologies and issues in the urban context, considering aspects of physical, infrastructural, sociological, economic, cultural, historical, political, regulatory environments and construction. Three hours per wk and assigned work; field trips may be read at student expense; some class sessions will meet outside of scheduled hours. Recommended Preparation: Arch 483.

Arch 583 Sustainable Development (3 cr)

This seminar explores concepts and strategies for sustainable development that are holistic, transdisciplinary, and integrated. Scale and scope of critical inquiry ranges from the local Palouse region to global contexts with particular emphasis on impacts imposed by developed nations. Weekly readings, student led discussion and team research projects require active engagement. (Spring, alt/yrs)

2. Change the prerequisites of the following course [Effective: Summer 2010]

Arch 520 Architectural Research Methods (3 cr)

Philosophy of research in architecture, research design, data gathering and interpretation, and thesis preparation.

Prereg: Senior or Graduate standing

3. Change the description of the following course [Effective: Summer 2010]

Arch 575 Professional Practice (3 cr)

See Arch J475/J575. The architect's duties and responsibilities in practice (construction documents and contracts), project supervision, office administration, and comprehensive services; specification writing, unit costs, and building estimation.

ID 151 Introduction to Interior Design (3 cr)

Introduction to interior design theory and process. Explores transdisciplinary design issues and relationshipsIntroduction to residential and commercial design and its relationship to other design disciplines; emphasis areas include basic design theories, vocabulary, and visual awarenesssustainability of the built environment. Attendance at outside events (such as lectures and symposiums) is required.

4. Change the description, prerequisites, and title of the following course [Effective: Summer 2010]

Arch 510 Graduate Project Seminar (3 cr)

Specialized research and program writing in preparation for Arch 554-556 as well as schematic design proposals.

Prereg: 9 graduate credits

5. Change the description and number of the following course [Effective: Summer 2010]

ID 343 443 Universal Design (3 cr) (ID 343)

Introduction to and application of universal design and accessible design concepts, principles, products, standards, laws, regulations, and guidelines to the design and adaptation of the built environment. Attendance at outside events (such as lectures, simulations, and completion of a service learning component) is required. One and a half hours lecture and 3 hours arranged. Recommended Preparation: ID 254 or Arch 254.

6. Change the description and prerequisites of the following courses [Effective: Summer 2010]

Arch 366 Building Technology I (3 cr)

Steel structures. Expansion of basic statics and bending theory to include two-dimensional systems and loading as well as more complicated beam loading and support configurations. Analysis of statically determinate steel structures by ASD and LRFD. Principles and technology of structural reinferced concrete building design problems by integrating solutions with Architectural Design studio. Recommended Preparation: Phys 111, Math 143.

Prereq: Math 143 and Phys 111

Arch 450 Architectural Programming (2 cr)

Introduction to basic principles and techniques of building programming. Recommended Preparation: Fourth-year standing. Prereg: Arch 453

Arch 556 Architectural Design IX (6 cr)

Graduate terminal project - a self-directed architectural design study with faculty consultation within a studio context. Students demonstrate their capacity to apply appropriate programming and research methods in pursuit of a focused design topic. The project culminates with a project book prepared by the student. Schematic and design development of graduate project, a self-directed architectural design study with faculty consultation within a studio context. Students will demonstrate their capacity to apply appropriate programming and research methods. The project culminates with a project book prepared by the student.

Prereq: Arch 510 and Arch 553

Arch 568 Technical Integration in Design (2 cr)

Strategies for integrating structure, enclosure, services, site and interior systems in the design and development of an architectural concept. Recommended preparation: completion of required building and environmental technologies courses. Methods of integration of structure, enclosure, services, site and interior systems in the design and development of an architectural concept, and the tectonic possibilities of expressing these systems in architectural form and detail.

Prereg or Coreg: Arch 553

Change the credits and description of the following courses [Effective: Summer 2010]

Arch 154 Introduction to Architectural Graphics (2-3 cr)

Introduction to architectural graphics; two 1-hour lecture sessions per week, plus two 1-hour studio sessions per week; weekly assigned drawing projects, readings, and sketchbook projects; periodic quizzes. Intro to the process of graphic communication; studio projects to explore graphics through projects, lee, and readings. Two 2-hr studios a wk and assigned work.

Arch 254 Architectural Design II (3-4 cr)

Same as ID 254. <u>Basic integration of principles and concepts for architectural design, both interior & exterior.</u> <u>Basic architectural integration of spatial ordering systems.</u> Two 3-hr studios a wk and assigned work.

Prereq: Arch 253 or Permission

Arch 453 Architectural Design V (5-6 cr)

Application of urban theory and appropriate responses to climatic factors to the resolution of architectural and planning and design problems in community or urban contexts. Interdisciplinary design encouraged. Three 3-hr studios a wk and assigned work; field trips regd at student expense outside scheduled hours; some class critique sessions meet outside of scheduled hours. Design in the urban and/or community context. Application of urban theory and appropriate responses to climatic factors to the resolution of architectural and planning problems in community or urban contexts. Collaborative and/or interdisciplinary design encouraged. Three 3-hr studios a wk assigned work; field trips will be regd at student expense; some class jury sessions will meet outside of scheduled hours. Field trips at student expense are required.

Prereq: Arch 353 and Arch 354; or Permission

Arch 454 Architectural Design VI (5-6 cr)

Large architectural and/or urban design projects that explore and integrate urban theory and/or concepts for sustainable design, environmental control systems technology, human and cultural factors, and construction assemblies. Design in team/collaborative settings encouraged; Three 3-hr studios a wk and assigned work. Some class presentation sessions will meet outside of scheduled hours. Field trips at student expense are required and meet outside scheduled hours; some class critique sessions meet outside of scheduled hours.

Prereq: Arch 353 and Arch 354; or Permission

Arch 570 Natural Lighting (2-3 cr)

Natural lighting seminar/workshop including hands-on experience with physical and digital modeling techniques. The course includes a term-long investigation of the nature of Palouse light, and a redesign problem of a real space on-campus or nearby, which will be measured, modeled, redesigned, predicted, redesigned, and evaluated. Methods for design of daylighting systems for building.

8. Change the credits of the following course [Effective: Summer 2010]

ID 254 Basic Architectural Design II (3-4 cr)

See Arch 254.

9. Change the credits, description, and prerequisites of the following courses [Effective: Summer 2010]

Arch 353 Architectural Design III (5-6 cr)

Architectural building design process with emphasis on structural technology, historic influences, universal design, basic code and site related issues. Three 3-hr studios a wk and assigned work; field trips will be reqd at student expense <u>outside scheduled hours</u>; some class <u>jury-critique</u> sessions <u>will-meet outside</u> of scheduled hours.

Prereq: Arch 254 and 266, and by permission

Arch 354 Architectural Design IV (5-6 cr)

Continued development of architectural projects and design process that cultivate understanding of the properties of materials and building tectonics. Three 3-hr studios a wk and assigned work; field trips will be reqd at student expense outside scheduled hours; some class jury-critique sessions will meet outside of scheduled hours.

Prereq: Arch 254 and 266353

Arch 465 Building Technology II (3-2 cr)

Concrete Structures. Statics/strengths, allowable stresses and `prescriptive' and `engineered' design approaches, factors of safety, ductility, Strength Design (LRFD) as applied to reinforced concrete structures. Structural design with steel in buildings; principles and technology of steel design applied to practical building problems by integrating solutions with Architectural Design studio. Recommended Preparation: ForP 365, Arch 366.

Prereq: Arch 366 and ForP 365

Arch 554 Architectural Design VIII (5-6 cr)

Topical studio will explore specific issues or questions in architecture-and/or urban design in depth., allowing faculty on a retating basis to share areas of expertise with students. Topics might include but are not limited to day-lighting, historic preservation, design-build, grant-related projects, art and design interface. Three 3-hr studios a wk and assigned work; field trips may be reqd at student expense outside of scheduled hours; some class jury-critique sessions will meet outside of scheduled hours.

Prereq: Arch 510 and 553

Study of the relationship of design theories to the interior environment; exploration, through a variety of media, of the elements and principles of design, with emphasis on spatial relationships and color theory. Focus of design problems is residential design and beginning-small-scale contract design. Attendance at outside events; some class jury critique sessions outside of scheduled hours at student expense. Recommended Preparation: Arch 154.

Prereq: Art 121 Arch 154 and ID 151; or Permission

10. Change the credits, description, prerequisites, and title of the following course [Effective: Summer 2010]

Arch 466 Building Technology III (3-2 cr)

Lateral and dynamic loads on architectural structures, principles of design for wind and seismic resistance, high-rise structural systems. Structural design of buildings with seismic analysis; principles and technology of masonry design. Recommended Preparation: ForP 365, Arch 366,

Prereq: Arch 356 and ForP 365

11. Change the co-requisites, credits, and description of the following course [Effective: Summer 2010]

Arch 553 Architectural Design VII (5-6 cr)

Comprehensive design of an architectural project including pre-design, schematic design and design development Topical studio requiring comprehensive design of an architectural project that includes pre-design, schematic design and design development phases Demonstration of ability to develop details and systems in support of schematic design concepts. Three 3-hr studios a wk and assigned work; field trips reqd at student expense outside of scheduled hours; some class jury critique sessions will meet outside of scheduled

Coreq: Arch 568

12. Change the description, joint-list status, number, subject, and title of the following course [Effective: Summer 2010]

ID-Arch 478 J475/J575 Professional Practice for Interior Design (3 cr) (ID 478)

Overview of professional standards and practices in the architecture and interior design professions. Including duties and responsibilities in practice (construction documents and contracts, code analysis, ethics, and professional organizations and alliances), project management, office administration, and comprehensive services; specification writing, unit costs, and building estimation. Additional assignments/projects required for graduate credit. In depth overview of professional standards and practices of the interior design profession, to include but no limited to: programming, code analysis, ethics, professional organizations and alliances, Interior designers' ce; services, estimating, specifications, billing, and contracts.

13. Change the curricular requirements of **Architecture** (B.S.Arch.) [Effective: Summer 2010]

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

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Arch 151 Introduction to the Built Environment (2 cr)
Arch 154 Introduction to Architectural Graphics (2-3 cr)
Arch 243 Digital Design Tools for Architecture and Interior Design (2 cr)
Arch 244 Computer Aided Drafting and Modeling (2 cr)
Arch 253 Architectural Design I (3 cr)
Arch 254 Architectural Design II (34 cr)
Arch 266 Materials and Methods (3 cr)
Arch 353 Architectural Design III (5-6 cr)
Arch 354 Architectural Design IV (5-6 cr)
Arch 366 Building Technology I (3 cr)
Arch 385 History of Architecture I: Pre-Modern (3 cr)
Arch 386 History of Architecture II: Modern (3 cr)
Arch 450 Architectural Programming (2 cr)
Arch 453 Architectural Design V (5-6 cr)
Arch 454 Architectural Design VI (5-6 cr)
Arch 463 Environmental Control Systems (4 cr)
Arch 464 Environmental Control Systems (4 cr)
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Arch 465 Building Technology II (3 cr)

Arch 466 Building Technology III (3-2 cr)

Arch 483 Urban Theory and Issues (3 cr)

Art 100 World Art and Culture (3 cr)

Art 110 Visual Communication (2 cr)

Art 121 Design Process I (2 cr)

ForP 365 Wood Building Technology (3 cr)

LArc 383 Architectural Site Design (3 cr)

Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)

Math 160 Survey of Calculus or Phil 202 Intro to Symbolic Logic or Stat 251 Statistical Methods or CS 112 Intro to Problem Solving and Programming (3-4 cr)

Phys 111 General Physics I (4 cr)

VTD 244 Introduction to 3D Modeling (3 cr)

VTD 344 Computer-Aided Design (2 cr)

Electives to total 128 cr for the B.S.Arch. degree (including at least 6 cr of 200-level or above courses taken outside the disciplines of architecture, landscape architecture, art, and interior design and 6 cr of 200-level or above courses taken within the disciplines; credits earned in completion of an academic minor may be substituted).

14. Change the curricular requirements of Interior Design (B.I.D.) [Effective: Summer 2010]

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

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Arch 151 Introduction to the Built Environment (2 cr)
Arch 154 Introduction to Architectural Graphics (2-3 cr)
Arch 243 Digital Design Tools for Architecture and Interior Design (2 cr)
Arch 244 Computer Aided Drafting and Modeling (2 cr)
Arch 253 Architectural Design I (3 cr)
Arch 266 Materials and Methods (3 cr)
Arch 385 History of Architecture I: Pre-Modern (3 cr)
Arch 386 History of Architecture II: Modern (3 cr)
Arch 463-464 Environmental Control Systems (8 cr)
Art 110 Visual Communication (2 cr)
Art 111 Drawing I (2 cr)
Art 121 Design Process I (2 cr)
FCS 123 Textiles (3 cr)
ID 151 Introduction to Interior Design (3 cr)
ID 152 Interior Design I (23 cr)
ID 254 Architectural Design II (43 cr)
ID 281 History of Interiors I (3 cr)
ID 282 History of Interiors II (3 cr)
ID 332 Furniture Design and Construction (3 cr)
ID 351 Interior Design III (5 cr)
ID 352 Interior Design IV (5 cr)
ID 368 Materials and Specifications (3 cr)
ID 404 Special Topics (2 cr)
ID 443 Universal Design (3 cr)
ID 451 Interior Design V (5 cr)
ID 452 Interior Design VI (5 cr)
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Electives to total 128 cr for the degree (including 4<u>-6</u> cr from a list of advisor-directed electives)

15. Change the curricular requirements of **Interior Design** (Minor) [**Effective**: Summer 2010]

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Arch 151 Introduction to the Built Environment (2 cr)
FCS 123 Textiles (3 cr)
ID 151 Introduction to Interior Design (3 cr)
ID 281 History of Interiors I (3 cr)
ID 282 History of Interiors II (3 cr)
ID 368 Materials and Specifications (3 cr)
ID 443 Universal Design (3 cr)
ID 478 Professional Practice for Interior Design (3 cr)
Directed electives as approved by ID advisor (5 cr)
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VTD 244 Introduction to 3D Modeling (3 cr)
VTD 344 Computer-Aided Design (2 cr)

ID 478 475 Professional Practice for Interior Design (3 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)

Biological and Agricultural Engineering

1. Change the curricular requirements of Biological and Agricultural Engineering (B.S.B.A.E.) [Effective: Summer 2010]

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A. Agricultural Engineering Option

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BAE 242 Agricultural Engineering Analysis and Design (2 cr) CE 322/323 Hydraulics and Lab (3-4 cr)
BAE 372 Agricultural Power and Machines (3 cr)
BAE 459 Irrigation System Design (3 cr)
BAE 461 Bioprocess Engineering (3 cr)
Biol 115 Cells and the Evolution of Life (4 cr)
CE 211 Engineering Surveying (3 cr)
CE 342 Theory of Structures (3 cr)
Engr 220 Engineering Dynamics (3 cr)
Technical Electives (8 cr)
Electives to total 128 cr for the degree
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BAE 242 Agricultural Engineering Analysis and Design (2 cr)

BAE 450 Environmental Hydrology (3 cr)

BAE 451 Engineering Hydrology (3 cr)

BAE 452 Environmental Water Quality (3 cr)

BAE 458 Open Channel Hydraulics (3 cr)

BAE 459 Irrigation System Design (3 cr)

Biol 115 Cells and the Evolution of Life (4 cr)

CE 211 Engineering Surveying (3 cr)

CE 322 Hydraulics (3 cr)

Engr 220 Engineering Dynamics (3 cr)

Technical Electives (8 cr)

Biological Science Electives (3 cr)

Electives to total 128 cr for the degree

A grade of C or better is required in each of the following courses before registration is permitted in upper-division engineering courses: BAE 242, Chem 111, Engr 210, Math 275, and Phys 211.

To graduate in this program, a grade of C or better is required in each of the following courses: BAE 242, Chem 111, Engr 210, Math 275, and Phys 211.

Students are required to submit a course plan and a statement of how the humanistic and social course requirements complement the technical content of the curriculum and are consistent with the program and institution objectives.

Bioregional Planning and Community Design

1. Add the following courses [Effective: Summer 2010]

BioP 530 Planning Theory and Professional Ethics (2-3 cr)

Seminar provides a historical and theoretical basis to address the application of knowledge to public and political decisions and the ethics of professional practice within public and non-governmental settings. Readings, discussions, and essays will focus on underlying traditions and assumptions, cultural contexts, social justice and "planner" roles. Optional third credit for professional planning exam and speaker series. Two-credits are appropriate for graduate students from multiple disciplines. (Spring only)

BioP 560 Bioregional Planning Studio I (4 cr)

Students will work on one or more projects that target the needs of an Idaho community or regional agency. The projects will involved the application of various tools including GIS, comprehensive planning, physical design, economic development, transportation systems or other relevant methods in the creation of products or proposals. In this course, students will learn a variety of skills related to facilitation, negotiation, community politics, conflict management and assessment tools such as social impact or environmental impact assessments. (Spring only)

BioP 561 Bioregional Planning Studio II (4 cr)

This course is intended to allow students to integrate a number of skill sets by choosing a project that builds on their program specialization. Students work with faculty advisors to develop and complete final projects. Students will also have the opportunity to interact with first year students in BIOP 560 at regular intervals throughout the semester to discuss common readings, provide mutual assistance on projects and peer-to-peer evaluation of completed work. (Spring only)

Prereq: BioP 560

2. Change the title of the following course [Effective: Summer 2010]

BioP 520 Introduction to Bioregional Planning Theory and Practice (3 cr)

This class introduces first semester Bioregional Planning and Community Design students to bioregional planning concepts and current implementation practices.

3. Change the description and title of the following course [Effective: Summer 2010]

BioP 521 Local and Regional Comprehensive Planning Theory and Process (3 cr)

Provides an overview of the processes and methods for preparing comprehensive plans for local and county governments in the context of federal and state lands and regional growth management: Integrates land-use with economic development, housing, historic preservation, agricultural viability. Includes lectures by practitioners and interdisciplinary faculty, and a service-learning project. (Fall only) This course is based on the premise that good planning practice should be grounded in good planning theory. Many of these theories are insightful attempts at understanding the unique historical conditions that have led to the rapid transformation of human society into an urban society in recent centuries. And many are accompanied by suggestions—some more useful than others—on how to exploit urbanization, guide it, tame it, moderate its impacts, and even reverse it. Public actions based on the more forceful theories cometimes changed development patterns in desirable ways. At other times they have made conditions worse, and many times they made no difference at all. Examining planning theories in an historical perspective is, therefore, a useful exercise for those of us searching for a solid theoretical foundation for our planning practice today.

Drop the following course [Effective: Summer 2010]

Bus 494 Golf Program, Promotion, Planning and Management (3 cr)

Planning and development, leadership, services, finance, events and overall management of golf course programs and operations. Students will understand how to market, promote, organize, and evaluate golf programs including the relationship between service and cost.

Prereq: PGM Major or Permission **Recommended Substitution:** None

Change the description of the following course [Effective: Summer 2010]

Bus 342 Product and Process Planning (3 cr)

May only be repeated once. Student may petition to repeat a second time in consultation with the Dean and course faculty team. Open only to undergraduate CBE majors. An overview of the marketing, engineering, financial, and production decisions involved in developing new products and determining the product mix; examination of the theory, tools, and approaches that can be used to assist managers in making effective new product and process decisions; specific topics include consumer behavior, marketing—business research, optimization techniques, capital budgeting, and product and process design using Total Quality Management; a comprehensive integrative case is used to illustrate these ideas. May involve evening exams.

Coreq: Bus 340 and Bus 341

3. Change the prerequisites of the following courses [Effective: Summer 2010]

Bus 302 Intermediate Financial Management (3 cr)

Advanced course in managerial finance that addresses more complex issues such as risk in capital budgeting, working capital management, mergers, business failure and reorganization, and lease financing. May involve evening exams.

Prereq: Bus 301; or Acct 310, Bus 340-342 and Econ 340

Prereq or Coreq: Bus 343-345

Bus 452 Business Telecommunications Management (3 cr)

Survey of telecommunications management issues in a business environment; topics include local and wide area networks, telephony, public networks, and application of telecommunications technology in strategic business management.

Prereq: Bus 343-345 and Bus 352351 or Bus 353 or Bus 355 or Computer Science major with senior standing

Bus 453 Database Design (3 cr)

Introduction to modern database management systems and their use in solving business problems. May involve evening exams.

Prereq: Bus 250, Bus 343-345 and 351 or Bus 353 or Bus 355 or Computer Science major with senior standing

4. Change the co-requisites and prerequisites of the following course [Effective: Summer 2010]

Bus 355 Systems Analysis and Design (3 cr)

Introduction to analysis and design of modern information systems. May involve evening exams.

Prereq: Bus 340-342, Acct 310, and Econ 340 Junior standing

Coreq: Bus 343-345

5. Change the curricular requirements of Finance (B.S.Bus.) [Effective: Summer 2010]

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

Acct 315 Corporate Accounting and Reporting I (3 cr)

Bus 302 Intermediate Financial Management (3 cr)

Bus 407 Financial Institutions (3 cr)

Bus 409 Problems in Financial Management (3 cr)

Upper-Division economics courses (3 cr)

Finance electives, select two of the following (6 cr):

Bus 408 Security Analysis (3 cr)

Bus 463 Portfolio Management (3 cr)

Bus 464 Derivatives and Financial Engineering (3 cr)

Bus 481 International Finance (3 cr)

Supporting electives, select two of the following (6 cr):

Acct 385 Cost and Management Accounting (3 cr)

Acct 414 Corporate Accounting and Reporting II (3 cr)

Acct 415 Advanced Financial Accounting and Reporting (3 cr)

Acct 430 Accounting for Public Sector Entities (3 cr)

Acct 483 Fundamentals of Federal Taxation (3 cr)

Bus 362 Real Property Appraisal or Bus 364 Insurance (3 cr)

Bus 378 Project Management (3 cr)

Bus 414 Entrepreneurship (3 cr)

Bus 415 New Venture Creation (3 cr)

Bus 421 Marketing Research and Analysis (3 cr)

Bus 427 Services Marketing (3 cr)

Bus 439 Systems and Simulation (3 cr)

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Bus 456 Quality Management (3 cr)
     Econ 343 Money and Banking (3 cr)
     Econ 352 Intermediate Microeconomic Analysis (3 cr)
     Econ 353 Quantitative Economics and Forecasting (3 cr)
     Econ 407 Public Finance or Econ 408 State and Local Govt Finance (3 cr)
     Econ 453 Econometrics (3 cr)
     Stat 401 Statistical Analysis (3 cr)
     Two of the following may be used if not used to satisfy the above Finance elective:
          Bus 408 Security Analysis (3 cr)
          Bus 463 Portfolio Management (3 cr)
          Bus 464 Derivatives and Financial Engineering (3 cr)
          Bus 481 International Finance (3 cr)
Electives to total 128 cr for the degree
Change the curricular requirements of Production/Operations Management (B.S.Bus.) [Effective: Summer 2010]
Required course work includes the university requirements (see regulation J-3), the college requirements, and:
Bus 378 Project Management (3 cr)
Bus 439 Systems and Simulation (3 cr)
Bus 456 Quality Management (3 cr)
Bus 470 Supply Chain Management (3 cr)
Bus 472 Operations Planning and Scheduling (3 cr)
Three courses selected from the following (9 cr):
     Acct 305 Accounting Information Systems (3 cr)
     Acct 315 Corporate Accounting and Reporting I (3 cr)
     Acct 385 Cost and Management Accounting (3 cr)
     Acct 492 Auditing and Controls (3 cr)
     Bus 302 Intermediate Financial Management (3 cr)
     Bus 353 Data and Information Management (3 cr)
     Bus 355 Systems Analysis and Design (3 cr)
     Bus 398 Internship (must be taken for 3 cr to satisfy this requirement)
     Bus 409 Problems in Financial Management (3 cr)
     Bus 412 Human Resource Management (3 cr)
     Bus 413 Leadership and Organizational Behavior (3 cr)
     Bus 418 Organization Design and Changes (3 cr)
     Bus 425 Retail Distribution Management (3 cr)
     Bus 426 Marketing Channels Management (3 cr)
     Bus 427 Services Marketing (3 cr)
     Bus 428 Marketing Management (3 cr)
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Bus 441 Labor Relations (3 cr) Bus 453 Database Design (3 cr)

Bus 463 Portfolio Management (3 cr)

Bus 495 Product and Process Development and Commercialization (3 cr)

Econ 385 Environmental Economics (3 cr)

Econ 441 Labor Economics (3 cr)

Econ 447 International Development Economics (3 cr)

EnvS 428 Pollution Prevention (3 cr) Stat 401 Statistical Analysis (3 cr)

Stat 446 Six Sigma Innovation (3 cr)

Any one business, culture, economics or language class that includes a significant international experience component (3 cr) Electives to total 128 cr for the degree

Chemical and Materials Engineering

Add the following courses [Effective: Summer 2010]

ChE J490/J590 Hydrogen Energy Systems (3 cr)

Introduction to hydrogen economy; hydrogen production, storage and utilization; fuel cells; distribution, infrastructure, safety and environmental considerations. Additional projects/assignments reqd for grad cr.

Prereq: Senior or Graduate standing in science or engineering

ChE 536 Electrochemical Engineering (3 cr)

Application of chemical engineering principles to electrochemical systems; thermodynamics, kinetics, and mass transport in electrochemical systems; electrochemical process design. Recommended preparation: graduate engineering standing.

Civil Engineering

Change the description, number, prefix, and prerequisites of the following course [Effective: Summer 2010]

CE Engr 402 428 Applied Numerical Methods for Engineers (3 cr)

Approximate and numerical methods for solution of systems of linear and nonlinear equations, initial value, boundary value, and partial differential equations with practical applications, analysis of error, improvement of accuracy, and numerical and matrix techniques for computation by digital computer.

Prereq: Math 310 and a high level programming language See Phys J428/J528.

College of Education

1. Change the curricular requirements of **Teacher Education Programs** (All) [Effective: Summer 2010]

At the University of Idaho, the preparation of teachers is a cooperative enterprise between the College of Education and other colleges. Coordination is achieved through the Teacher Education Coordinating Committee. The screening of all applicants for admission to Teacher Education Programs is the responsibility of the College of Education, and the dean of the College of Education is the recommending authority for certification.

Students preparing for a career in secondary teaching have the option of completing their bachelor's degrees in the College of Education (except for agricultural education, family life education, and music education) or in the department of their subject major.

Secondary education students have an advisor from the College of Education who is the primary advisor on teacher education requirements. Students should contact their content area for advising on content classes. When a student identifies teacher education as his or her objective (this could be as early as the freshman year and certainly no later than admission to Teacher Education Programs), the education advisor is designated.

Admission to, Continuation in, and Exit from Teacher Education Programs. Prospective teacher education candidates work closely with academic advisors to assure that they meet the criteria for each step in the admission and continuation process.

Admission to Teacher Education Programs. All students who plan to enter degree seeking or certification only teacher education programs must make application for admission to the program. Criteria for admission to teacher education programs include: 1) 20 hours of service learning with children and/or youth; 2) cumulative grade point average of 2.75 or better; 3) have completed, with a minimum of a C in the following courses: Engl 102, University of Idaho Core Mathematics Course, Comm 101, and EDCI 201 (or FCS 210 for Early Childhood Education); 4) signature of authorized advisor, and (5) completion of background check. 1) Initial interview with academic advisor; 2) cumulative grade point average of 2.75 or better; 3) have completed, with a minimum of a C in the following courses: Engl 102, University of Idaho Core Mathematics Course, Comm 101, and EDCI 201 (including 20 hours of service-learning or FCS 210 for ECDE students); 4) letter of application; 5) recommendations; 6) completion of background check; and 7) (when enrollment projections exceed departmental resources) a competitive interview.

Continuation in Teacher Education Program. Students seeking to continue in teacher education programs shall not have received more than two negative indicators ("red flags") on all education-coursework Standards and Dispositions evaluations.

Eligibility for Internship Experience. Prospective teachers seeking to enter the internship year must meet the following criteria: (1) cumulative grade-point average of 2.75 or higher; (2) completion of background check, (3) completion of and successfully passing program-area content assessment (e.g. Praxis II), (4) completion of the Idaho Technology Performance Assessment; (54) for Elementary Education and Early Childhood Development and Education students only, completion of at least parts I and II of the Idaho Comprehensive Literacy Assessment with passing scores; and (65) recommendation of advisor.

The College of Education does not permit students enrolled in any student teaching or internship course to concurrently function as head coach in any school sponsored sport at any grade level, whether paid or voluntary. Students who desire to function as assistant coaches must have written approval of the <u>division_department</u> chair and the director of clinical experiences (adopted 1996).

College of Engineering

1. Add the following course [Effective: Summer 2010]

Engr 573 Fuzzy Logic Control Systems (3 cr)

Introduction to fuzzy logic systems and the methods used to design these systems.

Prereq: ChE 445, ECE 470, or ME 481

Recommended Equivalency: ECE 573 & ME 581

2. Change the description of the following course [Effective: Summer 2010]

Engr 360 Engineering Economy (2 cr)

Economic analysis and comparison of engineering alternatives. This class meets for 3 lectures per week for the first 10 weeks of the semester. This is a class that meets for 3 lectures per week for the first 10 weeks of the semester.

Prereq: Junior standing

Computer Science

1. Drop the following course [Effective: Summer 2010]

CS 436 Advanced Information Assurance Concepts (3 cr)

Cryptographic systems, coding and decoding of messages; network, database, and operating system security issues, capability and access-control mechanisms; current trends and research in mandatory and discretionary security policies.

Prereq: CS 336

2. Add the following courses [Effective: Summer 2010]

CS 350 Intermediate Computer Architecture

Applied understanding of processor architecture. Design and construction of processor components, including the Arithmetic-Logic Unit (ALU), registers, datapath and control units. Memory interface to the processor. Performance optimizations, including pipelining techniques, cache memory. Portions of a processor will be constructed and simulated using a Hardware Description Language (HDL).

Prereq: CS 150 and CS 240

CS 528 Games and Virtual Environments (3 cr)

See CS J428/J528.

CS 552 Real Time Operating Systems (3 cr)

See CS J452/J552.

3. Change the joint-list status and description of the following courses [Effective: Summer 2010]

CS <u>J</u>428/<u>J528</u> Games and Virtual Environments (3 cr)

Software design and programming issues involved in constructing computer games and multi-user virtual environments. <u>Additional projects and assignments are required for graduate credit.</u>

Prereq: CS 210 and CS 324

CS <u>J</u>452/<u>J552</u> Real-Time Operating Systems (3 cr)

Topics of interest in the implementation of Real-Time Operating Systems, especially as applicable to embedded systems, including a relevant hardware review, interrupts and interrupt handling, real-time scheduling principles and implementation, latency, task management, shared data and synchronization, timers, message passing, tradeoffs between memory space and speed. Students will build a simple but relatively complete real-time operating system over the course of the semester. Additional projects and assignments are required for graduate credit. (Spring only)

Prereq: CS 240

4. Change the joint-list status, description, and prerequisites of the following course [Effective: Summer 2010]

CS J436/J536 Advanced Information Assurance Concepts (3 cr)

Advanced topics in design and analysis of network, database, and operating system security; current trends and research in mandatory and discretionary security policies. Recommended preparation: CS 336.Cryptographic systems, coding and decoding of messages; network, database, and operating system security issues, capability and access-control mechanisms; current trends and research in mandatory and discretionary security policies. Additional projects/assignments reqd for grad cr.

Prereq: CS 336

Conservation Social Sciences

1. Drop the following course [Effective: Summer 2010]

CSS 494 Public Relations for Natural Resources Professionals (3 cr)

Overview of applied communication methods necessary for the successful management of forests, wildlife, and other natural resources as well as parks and recreation areas; introduction to public involvement, marketing, public relations, environmental interpretation, and environmental education. (Fall only)

Recommended Substitution: JAMM 252

2. Change the credits of the following course [Effective: Summer 2010]

CSS 401 (s) Practicum in Tutoring (1-3 cr, max 23)

Tutorial services performed by advanced students under faculty supervision. Graded P/F.

Prereq: Permission

3. Change the title of the following course [Effective: Summer 2010]

CSS 501 (s) Seminar: Contemporary Issues in Society and Natural Resources (cr arr)

Major philosophy, management, and research problems of wildlands; presentation of individual studies on assigned topics. **Prereg:** Permission

Change the credits and description of the following courses [Effective: Summer 2010]

CSS 287 Foundations of Conservation Leadership and Management (2-3 cr)

Overview of conservation leadership and management from a political, economic, behavioral, and land use management perspective; philosophical, theoretical, historical, and managerial foundations of conservation as they relate to societal trends. Overview of applied communication methods necessary for the successful management of natural resources as well as an introduction to applied public involvement. Recommended Preparation: NR 101. (Fall only)

CSS 385 Conservation Management and Planning I (3-4 cr)

Intro to theory, processes, and techniques for the management and planning of conservation systems including conservation organizations, natural areas, and their uses; focuses on resource and user management programs and techniques such as programming, budgeting, financing, contracting, and personnel management processes as well as conservation planning processes including operational, strategic, and long-range planning for natural sites and larger landscapes. A required 2-day field trip, collaborative group projects and a Service-Learning project are required. Field trips may be required. (Fall only)

Prereq: Junior or Senior standing

CSS 386 Conservation Management and Planning II (3-4 cr)

Advanced theory, processes, and techniques for the management and planning of conservation systems including conservation organizations, natural areas, and their uses; focuses on resource and user management programs and techniques such as programming, budgeting, financing, contracting, and personnel management processes, as well as conservation planning processes including operational, strategic, and long-range planning for natural sites and larger landscapes. A required 2-day field trip, collaborative group projects and a Service-Learning project are required. Field trips required. (Spring only)

Prereq: CSS 385 and Junior or Senior standing; or Permission

CSS 489 Personalities and Philosophies in Conservation (2-3 cr)

Lives and thinking of people who have significantly influenced conservation practice including issues of communication, public involvement, environmental education and environmental interpretation. or issues surrounding it. (Spring only)

Core Discovery

1. Change the description of the following courses [Effective: Summer 2010]

CORE 103-149 Core Discovery (4 cr)

May be used as core credit in J-3-d. Open to freshmen only. First semester of a year-long interdisciplinary, thematically based course, intended to introduce students beginning their university experience to a variety of humanities and social science disciplines and perspectives on topics of broad interest; all themes/sections emphasize discussion and frequent student-faculty and student-student interactions; each includes attention to issues of critical thinking, diversity, and methods of inquiry. Includes evening events, field trips, service-learning, and/or other activities to total 45 hours in addition to lectures. May involve evening classes. See www.webs.uidaho.edu/core for specific course titles and descriptions.

CORE 153-199 Core Discovery (3 cr)

May be used as core credit in J-3-d. Open to freshmen and sophomores. Second semester of a year-long interdisciplinary, thematically based course, intended to introduce students beginning their university experience to a variety of humanities and social science disciplines and perspectives on topics of broad interest; all themes/sections emphasize discussion and frequent student-faculty and student-student interactions; each includes attention to issues of critical thinking, diversity, and methods of inquiry. May include evening events, field trips, service-learning, and other activities. May involve evening classes. See www.webs.uidaho.edu/core for specific course titles and descriptions.

Counseling and School Psychology and Educational Leadership

Drop the following courses [Effective: Summer 2010]

CASP 407 Orientation to Counseling and School Psychology (1 cr)

Exploratory course for students considering entering counseling or school psychology. Focus is on the role and function of counselors and school psychologists, their values, and responses to contemporary issues. The course requires participation in small group work and role playing. Students are assessed on the knowledge and skills they have acquired. Successful completion of the course is one of the criteria for final admission to the masters and/or education specialist degree programs. Additional projects/assignments reqd for grad cr. **Prereq:** Permission

Recommended Equivalency: CASP 507

CASP 513 Theories and Applications of Counseling II (2 cr)

Overview of prevailing theories of counseling; study of predominant approaches, with emphasis on existential/gestalt and cognitive behavioral approaches; didactic and experiential activities to model application of techniques.

Prereq: CASP 512

Recommended Substitution: N/A

CASP 550 Introduction to School Psychology (2 cr)

Introduction to the profession of school psychology: history, present role and function, alternative delivery systems, professional preparation, provision of services, credentialing, and the future of school psychology.

Recommended Substitution: CASP 507

2. Change the credits, description and title of the following course [Effective: Summer 2010]

CASP 507 Orientation Introduction to Counseling and School Psychology (1-2 cr)

Exploratory/introductory course for students considering entering counseling or school psychology. Focus is on the role and function of counselors and school psychologists, their values, and responses to contemporary issues. The course requires participation in small group work and role playing. Students are assessed on the knowledge and skills they have acquired. Students are also introduced to each profession (e.g. history, professional preparation, credentialing). Successful completion of the course is one of the criteria for final admission to the masters and/or education specialist degree programs. Additional projects/assignments road for grad cr.

Prereq: Permission

3. Change the credits and description of the following course [Effective: Summer 2010]

CASP 512 Theories and Applications of Counseling I (2-3 cr)

Overview of prevailing theories of counseling, didactic and experiential activities to model application of technique activities; the skilled-helper counseling model and the person-centered counseling approach; skill mastery through microskills role-playing, activities.

Prereq: Permission

Curriculum and Instruction

1. Add the following course [Effective: Summer 2010]

EDSP 423 Collaboration (3 cr)

Strategies for developing and facilitating collaboration with schools, families and community partners including methods to increase successful collaboration and inclusion, interpersonal and intrapersonal dynamics that facilitate the collaboration process, problem solving teams, and effective models of collaboration. (Spring only)

Prereq: EDSP 300, EDSP 325, and EDSP 350

2. Change the credits, description, and prerequisites of the following course [Effective: Summer 2010]

EDSP 426 Developing Instructional Programs (23 cr)

Overview of assumptions, current trends, legal and cultural issues; application of learning principles and strategies for curriculum development; collaborative development of Individual Education, Instruction, and Transition Plans; methods for evaluating student progress and instructional effectiveness. Recommended Preparation: EDSP 325, 351, 390, 425. (Fall-Spring only)

Prereg: EDSP 300, EDSP 325, and EDSP 350

3. Change the co-requisites, credits, description, and prerequisites of the following course [Effective: Summer 2010]

EDSP 425 Evaluation of Children and Youth (2-3 cr)

Assessment procedures for determining eligibility and identifying educational needs of students with disabilities, including legal issues including Response to Intervention and Alternative Assessment, and current trends. (Fall only)

Prereq: EDSP 300, EDSP 325, and EDSP 350 or Permission

Coreq: EDSP 390, 426

4. Change the curricular requirements of Elementary Education (B.S.Ed.) [Effective: Summer 2010]

Required course work includes the university requirements (see regulation J-3), successful completion of Praxis II test and the Idaho Comprehensive Literacy Assessment parts 1 and 2 prior to the internship. Maintain at least a grade of C in the following course requirements:

Comm 101 Fundamentals of Public Speaking (2 cr)

EDCI 201 Contexts of Education (2 cr)

EDCI 301 Learning, Development, and Assessment (3 cr)

EDCI 302 Teaching Culturally Diverse Learners (4 cr)

EDCI 320 Foundations of Literacy Development (4 cr)

EDSP 300 Educating for Exceptionalities (2 cr)

Hist 101 or Hist 102 History of Western Civilization (3 cr)

Hist 111 or Hist 112 Intro to U.S. History (3 cr)

Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)

Math 235 Mathematics for Elementary Teachers I (3 cr)

Math 236 Mathematics for Elementary Teachers II (3 cr)

MusT 381 Elementary School Music Methods for Nonmajors (3 cr)

Psyc 305 Developmental Psychology (3 cr)

Advanced composition elective (3 cr)

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Engl 207 Persuasive Writing (3 cr)
     Engl 208 Personal and Exploratory Writing (3 cr)
     Engl 209 Inquiry-Based Writing (3 cr)
    Engl 291 Creative Writing: Poetry (3 cr)
     Engl 292 Creative Writing: Fiction (3 cr)
    Engl 309 Advanced Prose Writing (3 cr)
    Engl 313 Business Writing (3 cr)
     Engl 317 Technical Writing (3 cr)
    Engl 401 Writing Workshop for Teachers (3 cr)
Earth science elective (4 cr):
     Geog 100 Physical Geography (4 cr)
     Geol 101 Physical Geology (4 cr)
Physical science elective (4 cr):
     Chem 101 Introduction to Chemistry I (4 cr)
    Chem 111 Principles of Chemistry I (4 cr)
     Chem 112 Principles of Chemistry II (5 cr)
     Phys 103 General Astronomy and Phys 104 Astronomy Lab (4 cr)
     Phys 111 General Physics I (4 cr)
Life science elective (4 cr):
     Biol 102 Biology and Society (4 cr)
     Biol 115 Cells and the Evolution of Life (4 cr)
English elective in composition or literature (excluding Engl 101 and 102) (3 cr)
Literature elective (3 cr)
Social science electives other than psychology (6 cr)
Elementary Education Major Requirements
Mathematics/Science/Social Studies/Physical Education Block:
    EDCI 327 Elementary Mathematics Education (3 cr)
     EDCI 328 Elementary Social Studies Education (3 cr)
     EDCI 329 Elementary Science Education (3 cr)
    EDCI 408 Integrated Methods Practicum I (1 cr)
     PEP 350 Elementary Physical and Health Education (3 cr)
Literacy/Arts Education Block:
    EDCI 321 Literature for Children (3 cr)
     EDCI 322 Integrated Language and Literacy (3 cr)
     EDCI 325 Elementary Art Education (3 cr)
     EDCI 409 Integrated Methods Practicum II (1 cr)
    Dan 360 Children's Dance (1 cr)
    The 411 Theatre Methods (1 cr)
Internship Year:
    First Semester:
         EDCI 466 Literacy Assessment and Intervention (3 cr)
         EDCI 483 Elementary Internship I (7-14 cr)
         EDCI 401 Internship Seminar (1 cr)
     Second Semeter:
         EDCI 401 Internship Seminar (1 cr)
         EDCI 484 Elementary Internship II (15 cr)*
*With department approval students can apply to waive the second semester of Elementary Internship and pursue other options that
     and course work offered by other departments.
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include advisor approved course work and programs like: Study Abroad, Content Area Endorsement, Special Education program,

It is highly recommended that elementary students who are planning to teach grades 6, 7, and 8 select an area of concentration that meets state endorsement standards for secondary education. Students should consult with their advisor for details.

The minimum number of credits required for the degree is 128.

Change the curricular requirements of Computer Science (Teaching Minor) [Effective: Summer 2010]

Computer science is not an area of endorsement for Idaho certification. Students may complete a teaching minor in computer science only under the 30-20-20 option where the 30 credit major and one of the 20 credit minors are in endorsement areas.

2122-CREDIT COMPUTER SCIENCE TEACHING MINOR

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CS 112 Introduction to Problem Solving and Programming (3 cr)
CS 120 Computer Science I (4 cr)
CS 121 Computer Science II (4 cr)
CS 150 Computer Organization and Architecture (3 cr)
Math 176 Discrete Mathematics (3 cr)
Electives chosen from the following (5 cr):
     CS 210 Programming Languages (3 cr)
     CS 324 Computer Graphics (3 cr)
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CS 383 Software Engineering I (3 cr)
Math 385 or CS 385 Theory of Computation (3 cr)
Math 395 or CS 395 Analysis of Algorithms (3 cr)

6. Change the curricular requirements of Industrial Technology Education (Teaching Minor) [Effective: Summer 2010]

INDUSTRIAL TECHNOLOGY EDUCATION

3031-CREDIT INDUSTRIAL TECHNOLOGY EDUCATION TEACHING MINOR

For certification to teach industrial technology education, a teaching minor must contain at least 20 credits, including not less than 15 credits distributed among and including each of the areas of metals, wood, drafting, and electricity-electronicscommunication technology; manufacturing technology; computer applications; power, energy& transportation; construction technology; principles of technology; and electronics technology. The remainder may be in allied or related areas. No substitution will be permitted for any of the courses required below.

PTTE 130 Introduction to Electricity and Electronics (3 cr)

PTTE 173 PTTE Principles of Engineering and Technology (3 cr)

PTTE 267 Computer Aided Drafting/Design (3 cr)

PTTE 273 Power, Energy and Transportation Technology (3 cr)

PTTE 352 Manufacturing: Metallic Materials and Processes (3 cr)

PTTE 354 Construction Technology (4 cr)

PTTE 370 Transportation & Engineering Technologies (4 cr)

PTTE 428 Computer Integrated Systems (3 cr)

PTTE 462 Communication Technology (3 cr)

Other required courses for professional-technical certification include:

PTTE 351 Principles and Philosophy of Professional-Technical Education (3 cr)

PTTE 447 Diverse Populations and Individual Differences (2-3 cr)

PTTE 461 Using Internet-Based Career Information in the Classroom (2-3 cr)

PTTE 464 Career Guidance and Transitioning to Work (3 cr)

Electrical and Computer Engineering

1. Drop the following course [Effective: Summer 2010]

ECE 573 Fuzzy Logic Control Systems (3 cr)

See ME 581.

Recommended Equivalency: Engr 573

Family and Consumer Sciences

1. Add the following course [Effective: Summer 2010]

FCS 492 Nutrition Education in the Life Cycle (2 cr)

Principles and theories of learning, curriculum development, evaluation methods, and applied food and nutrition education throughout the life cycle. (Spring only)

Prereq: FCS 205 and FCS 486

Change the prerequisites of the following course [Effective: Summer 2010]

FCS 436 Theories of Child and Family Development (3 cr)

Identification, interpretation, and evaluation of individual and family developmental theories. (Fall only)

Prereq: Family and Consumer Sciences major or Permission

Change the description of the following course [Effective: Summer 2010]

FCS 364 Clinical Dietetics I (4 cr)

Clinical experience and simulations preparing students for entry into hospital rotations in Idaho/Washington hospitals. in Spokane hospitals. (Spring Fall only)

Prereq: Senior standing in CPD

4. Change the credits and description of the following course [Effective: Summer 2010]

FCS 362 Introduction to Clinical Dietetics (3-4 cr)

Nutritional assessment; review and application of the American Dietetic Association's Nutrition Care Process; introduction of nutrition therapies for disease. Three lee; 3 hrs of supervised practice a wk for 1 cr; only CPD students take 4 credits. (Spring only)

Prereq: FCS 361

5. Change the credits and prerequisites of the following course [Effective: Summer 2010]

FCS 488 Management Supervised Practice (6-8 cr)

Supervised practice with dietitians and employees in school and hospital food service settings in Idaho or Washington.

Prereq: FCS 487387 and Senior Standing in CPD

6. Change the co-requisites, credits, description, prerequisites, and title of the following course [Effective: Summer 2010]

FCS 487 Introduction to ManagementCommunity Nutrition Supervised Practice (1-4 cr)

Community nutrition supervised practice experience in WIC, Child Nutrition, wellness facilities, public health, etc. Web-assisted course focusing on concepts and skills in food systems management, facility tours and pre-practicum experience in preparation for FCS 488 Management Supervised Practice. (Fall only)

Prereq: FCS 387 486 and Senior standing in CPD

Coreq: FCS 473 and FCS 486

7. Change the cooperative status, credits and description of the following course [Effective: Summer 2010]

FCS ID305 Nutrition Related to Fitness and Sport (3-2 cr) WSU Ath T and FSHN 305

Identification of energy, macro/micro nutrient and fluid requirements during exercise; evaluation of dietary regimens and ergogenic aids for pre and post competition, weight maintenance, and wellness.; assignments include a case analysis of a UI or WSU athlete and evaluation and critical review of related research. (Fall only)

Prereq: FCS 205

8. Change the cooperative status, credits, description, and prerequisites of the following courses [Effective: Summer 2010]

FCS ID&WS473 Community Nutrition (2-43 cr) WSU FSHN 426

Identification of current public health nutrition problems; influence of socioeconomic, cultural and psychological factors on food and nutrition behavior; available community programs; program development and marketing; and the implications of public policy legislation; teaching/counseling methods for the nutrition education of small groups and individual clients/patients. (Fall only) Nutrition program; nutrition problems of special groups. Clinical experience in Spokane school lunch program, public health, etc. Two lee and six hrs of supervised practice a wk.

Prereq: Senior standing in CPDFCS 270

FCS ID&WS486 Nutrition in the Life Cycle (4-3 cr) WSU FSHN 331

Maternal nutrition and fetal development; lactation; nutritional needs and dietary patterns from conception to end of life. infancy through old age. Three lee and 2 hrs of lab a wk. (Fall only)

Prereq: Senior standing in CPDFCS 205

9. Change the credits of the following course [Effective: Summer 2010]

FCS 472 Clinical Dietetics II (6-8 cr)

Continuation of FCS 364. Supervised practice in Washington/Idaho hospitals. (Spring only)

Prereq: FCS 364, Senior standing in CPD

10. Change the curricular requirements of Food and Nutrition (B.S.F.C.S.) [Effective: Summer 2010]

Required course work includes the university requirements (see regulation J-3) and one of the following options.

A. Coordinated Program in Dietetics

Upon acceptance to the professional phase of the CPD during the second semester of the sophomore year, students must maintain a cumulative grade-point average of at least 2.80 to remain in and graduate from the program. Students must also obtain at least a B (80%) in all CPD courses required by the American Dietetic Association.

Acct 201 Introduction to Financial Accounting or Acct 202 Introduction to Managerial Accounting (3 cr)

Biol 120 Human Anatomy (4 cr)

Biol 121 Human Physiology (4 cr)

Chem 101 Intro to Chemistry I or Chem 111 Principles of Chemistry I (4 cr)

Chem 275 Carbon Compounds (3 cr)

FCS 105 Individual and Family Development (3 cr)

FCS 170 Introductory Foods (3 cr)

FCS 175 Introductory Foods Laboratory (1 cr)

FCS 205 Concepts in Human Nutrition (3 cr)

FCS 270 Intermediate Foods (3 cr)

FCS 301 Professional Skills in Dietetics I (1 cr)

FCS 302 Professional Skills in Dietetics II (1 cr)

FCS 305 Nutrition Related to Fitness and Sport (3 cr)

FCS 361 Advanced Nutrition (3 cr)

FCS 362 Introduction to Clinical Dietetics (4-3 cr)

FCS 363 Medical Nutrition Therapy (4 cr)

FCS 364 Clinical Dietetics I (4 cr)

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FCS 365 Advanced Nutrition Lab (1 cr)
FCS 384 Quantity Food Production and Equipment (3 cr)
FCS 385 Quantity Food Production Lab (2 cr)
FCS 387 Food Systems Management (3 cr)
FCS 388 Food Systems Management Lab (1 cr)
FCS 390 Research Methods in Food Nutrition (3 cr)
FCS 411 Global Nutrition (3 cr)
FCS 462 Eating Disorders (2 cr)
FCS 463 Helping Skills in Dietetics (2 cr)
FCS 472 Clinical Dietetics II (6 cr)
FCS 473 Community Nutrition (4-3 cr)
FCS 486 Nutrition in the Life Cycle (43 cr)
FCS 487 Community Nutrition Supervised Practice Introduction to Management Supervised Practice (1-4 cr)
FCS 488 Management Supervised Practice (6-8 cr)
FCS 492 Nutrition Education in the Life Cycle (2 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
MMBB 154, 155 Introductory Biology of Bacteria and Viruses and Lab (4 cr)
MMBB 300 Survey of Biochemistry (3 cr)
Psvc 101 Introduction to Psychology (3 cr)
Soc 101 Introduction to Sociology (3 cr)
Stat 251 Statistical Methods (3 cr)
2 credits selected from the following:
    FCS 305 Nutrition Related to Fitness and Sport (3 cr)
    FCS 435 Feeding Young Children in Group Settings (1 cr)
     FCS 462 Eating Disorders (2 cr)
     FCS 475 Food Preservation (1 cr)
Electives to total 132 cr for the degree
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B. Nutrition Option

This option prepares students for careers with government agencies, commodity groups, health and fitness agencies and businesses, and some components of the food industry. In addition, the course work would provide excellent background for those wishing to pursue advanced degrees in medicine or nutrition.

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Biol 120 Human Anatomy (4 cr)
Biol 121 Human Physiology (4 cr)
Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I (4 cr)
Chem 275 Carbon Compounds (3 cr)
FCS 105 Individual and Family Development (3 cr)
FCS 170 Introductory Foods (3 cr)
FCS 205 Concepts in Human Nutrition (3 cr)
FCS 270 Intermediate Foods (3 cr)
FCS 305 Nutrition Related to Fitness and Sport (3 cr)
FCS 361 Advanced Nutrition (3 cr)
         Introduction to Clinical Dietetics (4 cr)
FCS 462 Eating Disorders (2 cr)
    486 Nutrition in the Life Cycle (3 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
MMBB 154, 155 Introductory Biology of Bacteria and Viruses and Lab (4 cr)
MMBB 300 Survey of Biochemistry (3 cr)
Stat 251 Statistical Methods (3 cr)
FCS electives (12 cr)
Electives to total 128 cr for the degree
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Food Science

1. Add the following courses [Effective: Summer 2010]

FS ID&WS510 Functional Foods and Health (3 cr) WSU FS 510

Functional foods are foods that provide health benefits beyond basic nutrition. This course will deal with the actions of bioactive compounds in functional foods and nutraceuticals as they relate to disease prevention and health promotion. In addition, this course will cover (1) the chemistry and mechanism of action of the various bioactive compounds, and (2) the safety, efficacy, stability and regulatory aspects of functional foods and nutraceuticals. The course is intended for graduate students in food science, nutrition, or related biological science fields.

FS ID&WS511 Food Lipids (3 cr) WSU FS 511

To gain an understanding of the functionality fats in our foods and the beneficial and detrimental health related aspects of fats in our diets. Emphasis will be placed on relationships among fat and oil chemistry and the physiological results of eating foods containing specific triacylglycerols, fatty acids, and other lipids. Recent research and popular literature will supplement the discussions.

Change the description of the following course [Effective: Summer 2010]

Specialized techniques, concepts and practices of food processing. Field trip reqd. Two 1-hr lectures and one 3-hr lab a week. Recommended preparation: MMBB 250, Chem 275 and 276.

Prereq: FS 110 and FS 220

Forest Products

1. Change the description of the following course [Effective: Summer 2010]

ForP 365 Wood Building Technology (3 cr)

Basic structural design including elementary statics and principles and technology of wood structural design. Recommended Preparation: Phys 100, Phys 111. (Fall only)

2. Change the description and title of the following courses [Effective: Summer 2010]

ForP J436/J536 Wood Composites Biocomposites (3 cr)

Raw material, processes, properties, and their applications for a number of natural fiber and wood composites made of veneers, markets for a number of wood composites made of particles and fibers. Additional projects and assignments reqd for grad cr. Two half day field trips. Two lectures and one 3-hr lab a week. One full-day field trip.—Recommended Preparation: ForP 277. (Fall only)

ForP J438/J538 Wood Lignocellulosic Biomass Chemistry (3 cr)

The chemistry of <u>lignocellulosic fiber (natural fiber and wood)</u> formation, agricultural/natural fiber and wood structure and reactions of <u>lignocellulosic compounds</u>, <u>wood formation</u>, <u>wood structure and reactions of wood</u>. Additional projects and assignments reqd for grad cr. Two lec and one 3-hr lab a wk. Recommended Preparation: Chem 101, <u>Chem 275</u>, and ForP 277. (Spring only).

3. Change the curricular requirements of Forest Operations (Minor) [Effective: Summer 2010]

Acct 202 Introduction to Managerial Accounting (3 cr)

ForP 100 Forest Products Issues and Technology (2 cr)

ForP 230 Field Measurements for Forest Operations (2 cr)

ForP 277 Wood Anatomy and Identification (3 cr)

ForP 430 Forest Engineering and Harvesting (3 cr)

ForP 432 Designing Forest Access (3 cr)

ForP 434 Forest Tractor and Cable Systems (4 cr)

ForP 444 Primary Wood Products Manufacturing (3 cr)

Four of the following (12 cr)

For 424 Forest Dynamics and Management or For 462 Watershed Science and Management (2-3 cr)

ForP 431 Forest Óperations and Investment Analysis (3 cr)

ForP 432 Designing Forest Access (3 cr)

ForP 434 Forest Tractor and Cable Systems (4 cr)

ForP 444 Primary Wood Products Manufacturing (3 cr)

Forest Resources

1. Add the following course [Effective: Summer 2010]

For 425 Forest Nutrient Cycling (3 cr)

Forest nutrient management requires an understanding of biogeochemical cycles relevant to forest ecosystems including inputs of plant nutrients from the atmosphere and lithosphere, accumulation by vegetation and in soils, as well as losses to the atmosphere and hydrosphere. Two 1-hr lectures and with a 3-hr lab.

Prereq: For 330 and Soil 205

2. Change the title of the following course [Effective: Summer 2010]

For 426 Wildland Fire Ecology and Management (3 cr)

Integrated fire-related ecological effects of fire on vegetation, soils, and air quality; natural and changing role of fire in forests, woodlands, shrublands and rangelands; influence of global change including climate and invasive species; fire as a management tool; application to current issues. One-day field trip. (Fall only)

Prereq: For 221 or REM 221

3. Change the prerequisites and title of the following course [Effective: Summer 2010]

For 450 Combustion, Fire Behavior and Fuels (3 cr)

Understand the process of combustion in wildland fuels and how it is modeled in making fire behavior predictions; relate combustion, fire behavior and fuels to emissions. Lab sessions and field trips. (Spring only)

Prereq: Phys <u>111</u> <u>100</u> and REM 244

Coreq: For 451

4. Change the description of the following course [Effective: Summer 2010]

For 235 Society and Natural Resources (3 cr)

Same as CSS 235. May be used as core credit in J-3-d. An exploration of how people use, value, manage, impact, and are affected by natural resources; course emphasizes social and economic realities and political and legal processes in a context of current and historical natural resource issues. Two lectures and one 1-hr small discussion group meeting a week. The social sciences applied to natural resources management; relationship between natural resources and human socioeconomic systems; analysis of resource issues.

For 324 Forest Regeneration (2-3 cr)

Natural and artificial regeneration of forest ecosystems; reproduction methods; selection of seed source and stock type; nursery cultural practices; tree improvement; site preparation methods to establish regeneration. One lecture and one 2-hr lab a week. Two all day field trips. A semester-long project requires time spent weekly in a nursery to regularly monitor plant development under varied environmental conditions (approximately 45 hours over the 18-week spring semester in addition to lectures, labs and out-of-class studying). (Spring only)

Prereq: For 274, For 330, Soil 205 and Soil 206

5. Change the credits and description of the following courses [Effective: Summer 2010]

For 274 Forest Measurement and Inventory (3-4 cr)

Practical techniques for the design and execution of the measurement and inventory of forest resources. Three one-hr lec and One-one two-three-hr hour lab, one half-hour tutorial, and two one-hour lectures per week. (Fall only)

Coreq: Stat 251

For 320 Dendrology (3-4 cr)

Phylogenetic approach to understanding the systematics, morphology, geography, and ecology of the major species of North American woody plants. Includes identification and classification of important tree species of North American and other important woody plants of the Pacific Northwest and northern Rocky Mountains. Three lectures and two 1.5-hour labs a week; two 1-day field trips. Identification, classification, distribution, and associations of the important tree species of the U.S.; important regional shrubs. Two lee and two 2-hr labs a wk; one 1-day field trip.

Prereq: Biol 116 or PISc 205

For 330 Forest Ecosystem Processes (2-3 cr)

Chemical, physical, and physiological processes that determine how trees and forests function; emphasis on carbon budgets, productivity, process modeling of consequences of forest management, and global climate change. One 4-hr lec/lab a week; one field trip-Average, two lec and one 2-hr lab a week, several field trips.

Prereq: Soil 205, and Math 143 or Math 160, and Phys 100 or Phys 111, and For 221 or REM 221

For 424 Forest Dynamics and Management (2-4 cr)

Integrated methods and techniques for sustainable management of forest ecosystems including, stand and disturbance dynamics, exercises in forest assessment, thinning, harvesting, silviculture prescriptions, forest modeling and communicating management guidelines.

Major integrative final project required. Course includes field labs and lectures; on average 3-hrs of lectures and 2-hrs of lab per week. (Fall only)This course will be accelerated and completed in the first 13 weeks of the semester to take advantage of the good weather for field exercises. Field trips required. One 4-hr lec/lab a wk.

Prereq: Senior standing and For 274, For 320, For 324 and For 330

6. Change the curricular requirements of Forest Resources (B.S.For.Res.) [Effective: Summer 2010]

Students pursuing a B.S. degree in forest resources must receive a grade of C or better in the following indicator courses to register for upper-division courses in forest resources and to graduate with a B.S.For.Res.: Math 143, Stat 251, For 221, and For 274. Students must also have a minimum cumulative grade-point average of 2.00 in forest resource (For) courses to qualify for the B.S. degree in forest resources.

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

Biol 115 Cells and the Evolution of Life (4 cr)

Biol 116 Organisms and Environments or PISc 205 General Botany (4 cr)

Chem 101 Introduction to Chem I or Chem 111 Principles of Chem I (4 cr)

Econ 202 Principles of Economics (3 cr)

Engl 317 Technical Writing or Engl 313 Business Writing (3 cr)

For 102 Introduction to Forest Management (1 cr)

For 221 Ecology (3 cr)

For 235 or CSS 235 Society and Natural Resources (3 cr)

For 274 Forest Measurement and Inventory (3-4 cr)

For 320 Dendrology (3-4 cr)

For 324 Forest Regeneration (2 cr)

For 330 Forest Ecosystem Processes (2-3 cr)

For 375 Introduction to Spatial Analysis for Natural Resource Management (3 cr)

For 383 Economics for Natural Resource Managers (3 cr)

For 424 Forest Dynamics and Management (2 cr)

For 462 Watershed Science and Management (3 cr)

For 468 Forest and Plant Pathology (2 cr)

For 469 Introduction to Forest Insects (2 cr)

For 474 Forest Inventory (3 cr)

For 484 Forest Policy and Administration (2 cr)

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Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr) or SAT math score of 610 or above, or ACT math score of 27 or above
NR 101 Exploring Natural Resources (1 cr)
Phys 100 Fundamentals of Physics or Phys 111 General Physics 1 (4 cr)
Soil 205, 206 The Soil Ecosystem and Lab (4 cr)
Stat 251 Statistical Methods (3 cr)
Restricted Electives (16 cr):
     AgEc 477 Law, Ethics, and the Environment (3 cr)
     Biol 213 Principles of Biological Structure and Function (4 cr)
     Biol 421 Advanced Evolutionary Biology (3 cr)
     CSS 486 Public Involvement in Natural Resource Management (3 cr)
     CSS 490 Wilderness and Protected Area Management (3 cr)
     CSS 494 Public Relations for Natural Resources Professionals (3 cr)
     Fish 314 Fish Ecology (3 cr)
     Fish 415 Limnology (4 cr)
     Fish 430 Riparian Ecology and Management (3 cr)
     For 426 Wildland Fire Ecology and Management (3 cr)
     For 423 Forest Community Ecology (1 cr)
     For 425 Forest Nutrient Cycling (3 cr)
     For 426 Fire Ecology and Management (3 cr)
     For 427 Prescribed Burning Lab (3 cr)
     For/REM 429 Landscape Ecology (3 cr)
For 463 Hydrologic Measurement Techniques (1 cr)
     For 472 or REM 472 Remote Sensing of the Environment (3-4 cr)
     For 497 Senior Thesis (2-4 cr)
     ForP 277 Wood Anatomy and Identification (3 cr)
     ForP 430 Forest Engineering and Harvesting (3 cr)
               Forest Operations and Investment Analysis (3 cr)
     ForP 432 Designing Forest Access (3 cr)
     ForP 434 Forest Tractor and Cable Systems (4 cr)
     ForP 444 Primary Wood Products Manufacturing (3 cr)
     Geog 301 Meteorology (3 cr)
     Geog 385 GIS Primer (3 cr)
     Geol 111 Physical Geology for Science Majors (4 cr)
     Math 160 Survey of Calculus or Math 170 Analytic Geometry and Calculus I (4 cr)
     NR 402 GIS Application in Natural Resources or REM 407 GIS Applications in Fire Ecology and Management (1 cr)
     PolS 364 Politics of the Environment (3 cr)
     REM 357 Rangeland and Riparian Habitat Assessment (3 cr)
     REM 402 GIS Application in Natural Resources or REM 407 GIS Applications in Fire Ecology and Management (1-2 cr)
     REM 429 Landscape Ecology (3 cr)
     REM 440 Wildland Restoration Ecology or REM 441 Restoration Ecology (3 cr)
     REM 459 Rangeland Ecology (2 cr)
     REM 460 Rangeland Ecology Current Topics and Field Studies (1 cr)
     Soil 446 Soil Fertility (1-3 cr)
     Soil 454 Soil Development and Classification (3 cr)
     Stat 401 Statistical Analysis (3 cr)
     WLF 314 Wildlife Ecology I (3 cr)
     WLF 316 Wildlife Ecology II (3 cr)
     WLF 440 Conservation Biology (3 cr)
     At least 2 of the 16 cr restricted elec
          Fish 430 Riparian Ecology and Management (2 cr)
          For 423 Forest Community Ecology (1 cr)
          For 427 Prescribed Burning Lab (3 cr)
For 463 Hydrologic Measurement Techniques (1 cr)
          REM 357 Rangeland and Riparian Habitat Assessment (3 cr)
          REM 460 Rangeland Ecology Current Topics and Field Studies (1 cr)
Electives to total 128 credits for the degree
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Change the curricular requirements of Fire Ecology and Management (B.S.Fire.Ecol.Mgmt.) [Effective: Summer 2010]

Students pursuing a B.S. degree in fire ecology and management must receive a grade of C or better in the following indicator courses to register for upper-division courses in Forest Resources and Rangeland Ecology and Managementthe fire core and to graduate with a B.S.Fire.Ecol.Mgmt.: Math 143, Stat 251, REM 244, either- For 274 or REM 357, and reither For 221 or REM 221. Students must also have a minimum cumulative grade-point average of 2.00 in Forest Resource and Rangeland Ecology and Management courses to qualify for the B.S. degree in Fire Ecology and Management.

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

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Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I (4 cr)
Econ 202 Principles of Economics (3 cr)
Engl 313 Business Writing or Engl 317 Technical Writing (3 cr)
For 221 Ecology or REM 221 Ecology (3 cr)
For 235 Society and Natural Resources (3 cr)
For 274 Forest Measurement and Inventory or REM 357 Rangeland and Riparian Habitat Assessment (3 cr)
For 330 Forest Ecosystem Processes (2 cr)
For 375 Introduction to Spatial Analysis for Natural Resource Management (3 cr)
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For 383 Economics for Natural Resource Managers (3 cr)
For 484 Forest Policy and Administration (2 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry or Math 160 Survey of Calculus (3-4 cr)
NR 101 Exploring Natural Resources (1 cr)
Phys 100 Fundamentals of Physics (4 cr)
Phys 111 General Physics I (4 cr)
REM 402 GIS Application in Natural Resources (2 cr)
REM 459 Rangeland Ecology (2 cr)
Soil 205 The Soil Ecosystem (3 cr)
Soil 206 The Soil Ecosystem Lab (1 cr)
Stat 251 Statistical Methods (3 cr)
One of the following courses (2-3 cr):
     Comm 331 Conflict Management (3 cr)
     Comm 332 Communication and the Small Group (3 cr)
     CSS 287 Foundations of Conservation Leadership and Management (2 cr)
     CSS 387 Environmental Communication Skills (3 cr)
     CSS 481 Conservation Leadership (3 cr)
     CSS 486 Public Involvement in Natural Resource Management (3 cr)
One of the following courses (3-4 cr):
     Biol 341 Systematic Botany (3 cr)
     For 320 Dendrology (3-4 cr)
     REM 341 Systematic Botany (3 cr)
     REM 353 Rangeland Plant Identification and Ecology (3 cr)
Two of the following courses (8 cr):
    Biol 115 Cells and the Evolution of Life (4 cr)
    Biol 116 Organisms and Environments (4 cr)
     Biol 213 Principles of Biological Structure and Function (4 cr)
    PISc 205 General Botany (4 cr)
Fire Core (14 cr):
    For 426 Wildland Fire Ecology and Management (3 cr)
    For 427 Prescribed Burning Lab (3 cr)
     For 450 Combustion, Fire Behavior and Fuels (3 cr)
     For 451 Fuels Inventory and Management (3 cr)
     REM 244 Wildland Fire Management (2 cr)
Ecology (5-6 cr):
    Biol 311 Plant Physiology (4 cr)
     For 429 or REM 429 Landscape Ecology (3 cr)
    For 469 Introduction to Forest Insects (2 cr)
     Geog 450 or REM 450 Global Environmental Change (3 cr)
     REM 429 Landscape Ecology (3 cr)
     REM 440 Wildland Restoration Ecology or REM 441 Restoration Ecology (3 cr)
     WLF 314 Wildlife Ecology I (3 cr)
    WLF 440 Conservation Biology (3 cr)
Applied Tools and Technology (3-4 cr):
     For 435 Remote Sensing of Active Fire and Post-fire Effects (3 cr)
    For 472 or REM 472 Remote Sensing of the Environment (3-4 cr)
     Geog 301 Meteorology (3 cr)
     Geog 385 GIS Primer (3 cr)
     Geog 401 Climatology (3 cr)
     REM 402 Applied Spatial Analysis in Natural Resources (2 cr
     REM 407 GIS Applications in Fire Ecology and Management (1 cr)
Natural Resources Management, Planning and Policy (6 cr):
     CSS 385 Conservation Management and Planning I (3 cr)
     CSS 490 Wilderness and Protected Area Management (3 cr)
    For 324 Forest Regeneration (2 cr)
     For 424 Forest Dynamics and Management (2-4 cr)
     For 462 Watershed Science and Management (3 cr)
     ForP 430 Forest Engineering and Harvesting (3 cr)
    REM 456 Integrated Rangeland Management (3 cr)
Electives to total 128 credits for the degree.
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Health, Physical Education, Recreation, and Dance

1. Change the dormant status of the following course [Effective: Summer 2010]

Dan 495 (s) Practicum in Tutoring (1 cr, max 2)

Tutorial services performed by advanced students under faculty supervision. Graded P/F. **Prereq:** Permission

2. Change the title of the following courses [Effective: Summer 2010]

H&S 495 (s) Practicum in Tutoring (1 cr, max arr)

Tutorial services performed by advanced students under faculty supervision. Graded P/F.

Prereq: Permission

H&S 498 Internship in Health/Safety (1-9 cr)

Supervised field work. **Prereq:** Senior standing

PEP 495 (s) Practicum in Tutoring (1 cr, max arr)

Tutorial services performed by advanced students under faculty supervision. Graded Pass/Fail.

Prereq: Permission

3. Change the credits of the following courses [Effective: Summer 2010]

HPRD 429 Leadership, Pedagogy and Programming in Physical Activity (4-3 cr)

Examines the theories, methods, principles and styles of leadership, pedagogy and programming related to physical activity programs. Develops leadership, pedagogical and programming skills. 2 lec cr and 4 lab cr.

Prereq: HPRD 350 and major in Athletic Training, Dance, Exercise Science and Health, Physical Education Teacher Education or

Recreation.

Coreq: HPRD 351

HPRD 486 Programming and Marketing for Healthy, Active Lifestyles (42 cr)

Marketing, implementation, and assessment of physical activity programs for individuals, groups, schools, and communities. 1 recitation and 2 outside hrs per week.

Prereq: HPRD 351, 429 and major in Athletic Training, Dance, Exercise Science and Health, Physical Education Teacher Education or Recreation.

4. Change the prerequisites of the following courses [Effective: Summer 2010]

H&S 450 Critical Health Issues (3 cr)

Provides a sampling of information that represents the current and projected trends in health; students will gain an understanding of broad public health issues and what strategies would be useful to address these problems.

Prereq: Junior standing and HPRD 350 or H&S 150; or Permission

H&S 451 Psychosocial Determinants of Health (3 cr)

Investigates the social, emotional, intellectual, social, and spiritual factors influencing health behaviors. Emphasis is placed on understanding and evaluating the biopsychosocial model and the interrelation between one's physical, psychological, and social well being.

Prereq: HPRD 350351 or Permission

H&S 490 Health Promotion (3 cr)

Examines the philosophical, ethical and theoretical foundations of the professional practice of health promotion in school, community, and work site settings, as well as in health promotion consultant activities. Emphasis will be placed on facilitating prepared units/lessons to respective target populations such as students, employees, patients, or community members. (Spring only)

Prereq: HPRD 201 or H&S 150 H&S 450 or Permission

PEP 418 Physiology of Exercise (3 cr)

Effects of physical activity on the circulatory, respiratory, and other systems. Two lec and one 2-hr lab a wk.

Prereq: HPRD 350, Biol 120, and Biol 121; or Permission

5. Change the description and title of the following course [Effective: Summer 2010]

PEP 134 Skill and Analysis of Walking/Jogging/Track and Field (1 cr)

The focus of this course is on pre-service teachers developing track and field and related content area knowledge, performance, and teaching skill. Lec-lab course. Skill development and knowledge of teaching progressions, techniques, strategies, and analysis and correction of skills in track and field. Two lec-labs a wk.

Change the prerequisites and title of the following course [Effective: Summer 2010]

PEP 498 (s) Internship in Physical Education Exercise Science & Health (cr arr)

Supervised field work.

Prereq: Junior standingH&S 288, H&S 490, PEP 455, PEP 493, and PEP 495; or Permission

7. Change the co-requisites, credits, description, and title of the following course [Effective: Summer 2010]

PEP 380 Measurement and EvaluationAssessment & Research in Physical Activity Pedagogy (2-3 cr)

This course will develop learner competencies of assessment and research in physical activity pedagogy. Lec-lab course. Construction, evaluation, and interpretation of tests used in evaluating physical and cognitive performance in physical education and sport science settings; basic statistical analysis. Accelerated class; three hrs of lec-lab a wk.

Prereq: HPRD 201 or Permission

Coreq: PEP 440

8. Change the co-requisites, prerequisites, and title of the following courses [Effective: Summer 2010]

PEP 412 Elementary Methods in Physical Activity Pedagogy Education Methods (3 cr)

Study and application of teaching methods and teaching behavior; structuring learning outcomes through performance objectives and lesson and unit planning. Includes a 16-hr required practicum at the elementary level. Lecture-lab.

Prereq: Acceptance into pedagogy sequence EDCI 302

Prered or Cored: PEP 360, PEP 380, PEP 440, and six professional activity courses ED 302

PEP 424 Adapted Methods in Physical Activity Pedagogy Education for Special Populations (2 cr)

Adapting physical education programs to meet individual needs. 2 hours of lec per week. Includes a 20 hour required practicum working with individuals with disabilities. Lecture-Lab.

Prereq: PEP 360 and acceptance into pedagogy sequence-EDCI 302

Prereg or Coreg: PEP 360, PEP 380, and six professional activity courses EDCI 302

9. Change the co-requisites, credits, description, prerequisites, and title of the following courses [Effective: Summer 2010]

PEP 421 Secondary Methods in Physical Activity Pedagogy Education Methods (2-3 cr)

This course focuses on the study and application of effective teaching behaviors and methods (i.e., styles and models), and the teaching process of planning, implementing, and evaluating. A teaching practicum with junior high and high school students will be completed during this course. Lec-lab. Study and application of teaching methods and teaching behavior; structuring learning outcomes through performance objectives and lesson and unit planning. Includes a 16-hr required practicum at the secondary level. Lecture-lab.

Prereq: Acceptance into pedagogy sequence <u>EDCI 302</u>

Prered or Cored: PEP 360, PEP 380, PEP 440, and six professional activity courses ED 302

PEP 440 <u>Curriculum & Administration in Physical Activity Pedagogy Education Curriculum and Administration (2</u> 1 cr)

This course is designed to develop students' knowledge of curriculum and administration models, and community programming related to physical activity pedagogy. Curriculum, programming, organization, and administration of school physical education and intramurals; field experience. Includes a 16 hr required practicum at the secondary level. Lecture-lab.

Prereq: Acceptance into pedagogy sequence EDCI 302

Prereq or Coreq: PEP 360, PEP 380, and six professional activity courses EDCI 302

10. Change the curricular requirements of **Physical Education** (B.S.Ed.) [Effective: Summer 2010]

Required course work includes the university requirements (see regulation J-3), the Department of HPERD core, the Idaho Technology Competency Certification and the following course work:

Movement Courses (All to be completed prior to pedagogy course sequence)

Dan 105 Dance (1 cr)

Dan 360 Children's Dance (1 cr)

PEB 108 Water-Based Sports and Fitness Activities (1 cr)

PEP 107 Movement Fundamentals (1 cr)

PEP 202 Skill and Analysis: Stunts and Tumbling (1 cr)

Individual Skill Courses (All to be completed prior to or concurrent with Pedagogy course sequence)

PEP 132 Skill and Analysis of Tennis, Pickleball, and Badminton (1 cr)

PEP 133 Skill and Analysis of Golf, Softball and Archery (1 cr)

PEP 134 Skill and Analysis of Walking/Jogging/Track and Field (1 cr)

Team Skill Courses (All to be completed prior to or concurrent with Pedagogy course sequence)

PEP 135 Skill and Analysis of Basketball and Volleyball (1 cr)

PEP 136 Skill and Analysis of Soccer and Speedball (1 cr)

Outdoor/Recreational Skill Courses (All to be completed prior to or concurrent with Pedagogy course sequence)

PEP 243 Recreation Activities (2 cr)

Rec 125 Outdoor Leisure Pursuits (2 cr)

Foundation Courses

Biol 120 Human Anatomy (4 cr)

Biol 121 Human Physiology (4 cr)

H&S 288 First Aid: Emergency Response (or current Emergency Response and CPR certification at the time of graduation) (2 cr)

PEP 161 Introduction to Physical Education (1 cr)

PEP 300 Applied Human Anatomy and Biomechanics (2 cr)

PEP 360 Motor Behavior (3 cr)

PEP 380 Assessment & Research in Physical Activity Pedagogy Measurement and Evaluation (2-3 cr)

PEP 418 Physiology of Exercise (3 cr)

Pedagogy Courses

Note: Acceptance into the physical education pedagogy sequence requires completion with no grade lower than a "C" in movement and skill courses, at least 6 of the 14 credits of required skill courses, PEP 161, 300, 360, EDCI 201, 301, minimum 2.75 GPA, appropriate portfolio evidence, and advisor recommendation.

PEP 412 <u>Elementary Methods in Physical Activity Pedagogy</u><u>Elementary Physical Education Methods</u> (3 cr)

PEP 414 Proseminar in Physical Education (1 cr)

- PEP 421 Secondary Methods in Physical Activity Pedagogy Secondary Physical Education Methods (2-3 cr)
- PEP 424 Adapted Methods in Physical Activity Pedagogy Physical Education for Special Pepulations (2 cr)
 PEP 440 Curriculum & Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Activity Pedagogy Physical Education Curriculum and Administration in Physical Education Curriculum and Administration Curriculum and Administration Curriculum and Administration Curriculum and Administration Curriculum and Cu nistration (2-1_cr)

General College of Education Requirements

- EDCI 201 Contexts of Education (2 cr)
- EDCI 301 Learning, Development, and Assessment (3 cr)
- EDCI 302 Teaching Culturally Diverse Learners (4 cr)
- EDCI 401 Internship Seminar (1 cr)
- EDCI 463 Literacy Methods for Content Learning (3 cr)
- EDSP 300 Educating for Exceptionalities (2 cr)
- PEP 484 Internship in Physical Education Teaching (14 cr)
- Psyc 101 Intro to Psychology or Psyc 305 Developmental Psychology (3 cr)

Advanced Composition Requirement (Select one of the following) (3 cr):

- Engl 207 Persuasive Writing (3 cr)
- Engl 208 Personal and Exploratory Writing (3 cr)
- Engl 209 Inquiry-Based Writing (3 cr)
- Engl 313 Business Writing (3 cr)
- Engl 317 Technical Writing (3 cr)

Note: For registration in upper-division courses in education, students must have been admitted to the teacher education program and maintain a cumulative GPA of 2.75. For admission criteria, refer to "Admission to the Teacher Education Program" in the College of Education section in Part 4.

Journalism and Mass Media

Change the curricular requirements of Journalism and Mass Media (All Majors) (B.A. or B.S.) [Effective: Summer 2010]

A minimum cumulative university grade-point average of 2.50 is required of students in order to graduate with a degree from the School of Journalism and Mass Media. All students must have completed a minimum of 58 credits to enroll in any upper-division course (numbered 300 or above) offered by the school. Registration preference in all courses is given to School of Journalism and Mass Media majors.

A student who graduates with a major in the School of Journalism and Mass Media must complete a minimum of 128 credits of which a maximum of 12 credits can come from experiential courses (Practicum -- JAMM 401, Internship -- JAMM 498, Directed Study -- JAMM 499). Students can receive no more than 6 credit hours for internship (JAMM 498) experience; students can repeat JAMM 498 one time. Students must obtain approval from the School of Journalism and Mass Media to apply internship credit toward a degree from the school.

Majors cannot apply more than 42 hours of courses in Journalism and Mass Media toward the 128-credit degree requirement and are required to take no fewer than 65 hours in the liberal arts and sciences.

Candidates for the B.S. degree are required to complete a second major, an academic minor or area of emphasis of at least 18 credits outside the School of Journalism and Mass Media. The emphasis area must be approved by the student's academic advisor.

JAMM 100 and 121 must be completed with a grade of C or better before a major may enroll in any other Journalism and Mass Media courses.

A student may not double major in the School of Journalism and Mass Media.

Courses required in all majors in the School of Journalism and Mass Media:

Landscape Architecture

Change the description of the following course [Effective: Summer 2010]

LArc 155 Introduction to Landscape Architecture I (1 cr)

Introduction to the profession of landscape architecture; exposure to a range of professional issues through a series of lectures and presentations by faculty and visiting professionals. Graded P/F. (Fall only, first 8-weeks of the semester, meets for 16 lectures)

Change the description and grade mode of the following course [Effective: Summer 2010] 2

LArc 156 Introduction to Landscape Architecture II (1 cr)

Attendance at a series of senior landscape architecture students' critiques and theses; preparation of a paper summarizing and comparing a select number of thesis topics. Graded P/F. Students are required to attend 10 presentations that are offered at various times and days during the first 8 weeks of the semester. Presentation times and days will be provided by the instructor at the first class. (Spring Only)

Change the curricular requirements of Landscape Architecture (B.L.Arch.) [Effective: Summer 2010]

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Required course work includes the university requirements (see regulation J-3) and:
Arch 483 Urban Theory and Issues (3 cr)
Art 110 Visual Communication (2 cr)
Art 111 Drawing I (2 cr)
Art 121 Design Process I (2 cr)
Biol 102 Biology and Society (4 cr)
                                 Biology or For 221 Ecology (3-4 cr)
Geol 101 Physical Geology (4 cr)
LArc 155, 156 Introduction to Landscape Architecture I-II (2 cr)
LArc 210 Computer Applications in Landscape Architecture (2 cr)
LArc 245 Landscape Graphics I (2 cr)
LArc 246 Landscape Graphics II (2 cr)
LArc 256 Landscape Architecture 1.1 (3 cr)
LArc 257 Landscape Architecture 1.2 (3 cr)
LArc 261 Landscape Architecture 2.1 (3 cr)
LArc 262 Landscape Architecture 2.2 (3 cr)
LArc 268 Landscape Construction I (2 cr)
LArc 269 Landscape Construction II (2 cr)
LArc 288 Plant Materials I (3 cr)
LArc 289 Plant Materials II (4 cr)
LArc 356 Landscape Architcture 3.1 (3 cr)
LArc 357 Landscape Architecture 3.2 (3 cr)
LArc 358 Professional Office Practice, LA (2 cr)
LArc 361 Landscape Architecture 4.1 (3 cr)
LArc 362 Landscape Architecture 4.2 (3 cr)
LArc 368 Landscape Architecture Construction III (2 cr)
LArc 369 Landscape Architecture Construction IV (2 cr)
LArc 380 Water in the Urban Context (2 cr)
LArc 389 History of Landscape Architecture (3 cr)
LArc 395 GIS in Land Planning (3 cr)
LArc 456 Landscape Architecture 5.1 (3 cr)
LArc 457 Landscape Architecture 5.2 (3 cr)
LArc 460 Landscape Architecture 6.0 (6 cr)
LArc 480 The Emerging Landscape (3 cr)
Math 143 Pre-calculus Algebra and Analytic Geom (3 cr)
Soil 205 The Soil Ecosystem (3 cr)
One of the following (3-4 cr):
     Biol 314 Ecology and Population Biology (4 cr)
    For 221 Ecology (3 cr)
    REM 221 Ecology (3 cr)
Electives to total 133 cr for the degree, of which at least 6 cr must be from psychology and sociology for transfer students from other
    universities.
Recommended electives:
     Art 380 Digital Imaging (3 cr)
     CSS 486 Public Involvement in Natural Resource Management (3 cr)
     Fish 430 Riparian Ecology and Management (3 cr)
    For 235 Society and Natural Resources (3 cr)
    For 429 Landscape Ecology (3 cr)
    Geog 180 Geospatial Graphics (3 cr)
     Geol 335 Geomorphology (3 cr)
    LArc 364 Summer Study Abroad Design Studio (6 cr)
     LArc 382 Landscape, Language and Culture (2 cr)
     LArc 390 Italian Hill Towns and Urban Centers (3 cr)
     LArc 495 Computer-Aided Regional Landscape Planning (3 cr)
     Phil 452 Environmental Philosophy (3 cr)
     VTD 266 Animation (3 cr)
    VTD 345 Advanced Modeling (3 cr)
     VTD 371 Interactive Technologies (3 cr)
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Mathematics

1. Change the co-requisites and prerequisites the following course [Effective: Summer 2010]

Math 170 Analytic Geometry and Calculus I (4 cr)

May be used as core credit in J-3-c. Carries 2 credits after Math 160. Functions, limits, continuity, differentiation, integration, applications, differentiation and integration of transcendental functions. Primarily for students in engineering, mathematics, science or computer science.

Prereq: Math 143 (with a grade of C or better) and Math 144 (concurrent enrollment in Math 144 is allowed although it is recommended that students complete Math 144 before enrolling in Math 170); or demonstrated proficiency through a sufficiently high score on the ACT, SAT, or COMPASS tests. Concurrent enrollment in Math 144 may be allowed by permission.

Mechanical Engineering

1. Drop the following course [Effective: Summer 2010]

ME ID&WS581 Fuzzy Logic Control Systems (3 cr)

Same as ECE 573. Introduction to fuzzy logic control systems and the methods used to design these systems.

Prereq: ME 481 or ECE 470 or Permission Recommended Equivalency: Engr 573

Medical Science

1. Change the cooperative status and description of the following course [Effective: Summer 2010]

MedS ID&WS505 Preceptorship (1 cr)

First-year medical students gain experience and insight into medical practice situations; students are stationed in physician offices at WWAMI sites. Cooperative course taught jointly by UI and WSU (MEDS 505). Provides opportunity for first-year medical students to gain personal experience with and insight into medical practice situations; the student will be stationed with physicians in their offices in accordance with preference of discipline and availability at the WWAMI sites.

2. Change the description of the following courses [Effective: Summer 2010]

MedS ID&WS510 Microscopic Anatomy (4 cr) WSU Med S 510

Description and microscopic examination of cell types, tissues, and major organs of the human body. Cooperative course taught jointly by UI and WSU (MEDS 510). Provides the principles and concepts of histology, defines the morphological characteristics of the cells, tissues and organs of the human body and relates this information to functional processes. Three lee and one 3-hr lab a wk. (Fall only)

MedS ID&WS511 Anatomy and Embryology 1 (5 cr) WSU Med S 511

Presents understanding of the formation and 3-dimensional relationships of the major structures in the human body. This is a laboratory course where the diversity variability and adaptability of the human phenotype will be examined in the dissection laboratory and in living anatomy. Focus is on trunk anatomy. Two lec and one 3-hr lab a wk.

MedS ID&WS510 Microscopic Anatomy (4 cr) WSU Med S 510

Description and microscopic examination of cell types, tissues, and major organs of the human body. Cooperative course taught jointly by UI and WSU (MEDS 510). Provides the principles and concepts of histology, defines the morphological characteristics of the cells, tissues and organs of the human body and relates this information to functional processes. Three lee and one 3-hr lab a wk. (Fall only)

MedS ID&WS511 Anatomy and Embryology 1 (5 cr) WSU Med S 511

Presents understanding of the formation and 3-dimensional relationships of the major structures in the human body. This is a laboratory course where the diversity variability and adaptability of the human phenotype will be examined in the dissection laboratory and in living anatomy. Focus is on trunk anatomy. Two lec and one 3-hr lab a wk.—Cooperative course taught jointly by UI and WSU (MEDS 511). (Fall only)

MedS ID&WS512 Mechanisms in Cellular Physiology (3 cr) WSU Med S 512

Fundamental cell physiology mechanisms: ionic, electrical gradients, sensory receptors, autonomic nervous system, energy metabolism, epithelial transport; gastrointestinal motility and secretions. Cooperative course taught jointly by UI and WSU (MEDS 512). (Fall only) (Fall only)

MedS ID&WS513 Introduction to Clinical Medicine I (2 cr) WSU Med S 513

Instruction in communications skills and interview techniques to form the basis for the eventual doctor-patient relationship. Cooperative course taught jointly by UI and WSU (MEDS 513). Exposes students to clinical skills and professional issues with instruction in interview techniques that form the basis for the doctor-patient relationship and the skills of communicating with patients. (Fall only)

MedS ID&WS522 Introduction to Clinical Medicine II (2 cr) WSU Med S 522

Communication skills as related to patients and dealing with patient history and professionalism. Cooperative course taught jointly by UI and WSU (MEDS 522). Continuation of communication skills especially as related to medical history and professionalism.

MedS ID&WS523 Introduction to Immunology (2 cr) WSU Med S 523

Provides a medically relevant foundation regarding the principles of the immune system and the vocabulary and language of immunology; a working knowledge of the immunological basis for defense against infection, immune-mediated pathology, immunodeficiency, and immunological barriers to transplantation; and familiarity with beneficial therapies to modulate the immune response. Cooperative course taught jointly by UI and WSU (MEDS 523). (Fall only)

MedS ID&WS524 Biochemistry II (2 cr) WSU Med S 524

Continuation of Med S 514. Cooperative course taught jointly by WSU and UI (MEDS 524). -(Fall only)

MedS ID&WS526 Systems of Human Behavior II (2 cr) WSU Med S 526

Continuation of MedS 516. Cooperative course taught jointly by UI and WSU (MEDS 526). (Fall only)

MedS ID&WS531 Anatomy and Embryology 2 (4 cr) WSU Med S 531

Gross anatomy; focus on head and neck anatomy, including skull, pharynx, and larynx; audition and balance. Continuation of MedS 511. Cooperative course taught jointly by WSU and UI. Continuation of MedS 511. Presents understanding of the formation and 3-dimensional relationships of the major structures in the human body. This is a laboratory course where the diversity variability and adaptability of the human phenotype will be examined in the dissection laboratory and in living anatomy. Focus on Head & Neck anatomy. Cooperative course taught jointly by UI and WSU (MEDS 531). (Spring only)

MedS ID&WS532 Nervous System (5 cr) WSU Med S 532

Presents the structure and function of the nervous system, including the eye. Neuropathological examples are presented as well as clinical manifestations of neurological disease. Cooperative course taught jointly by UI and WSU (MEDS 532). (Spring only)

MedS ID&WS534 Microbiology and Infectious Diseases (6 cr) WSU Med S 521 WSU Med S 534

Biology of microbial pathogens and the mechanisms of pathogenesis; clinical manifestations, epidemiology and general principles of diagnosis, therapy and prevention of infectious disease. Introduces medical microbiology and infectious disease. Emphasis is on the biology of microbial pathogens and the mechanisms of pathogenesis. Lectures also cover clinical manifestations, epidemiology, and general principles of diagnosis, therapy, and prevention of infectious disease. Cooperative course taught jointly by UI and WSU (MEDS 534). (Spring only)

MedS ID&WS590 Medical Information for Decision Making (1 cr) WSU Med S 590

Examines medical literature for the purpose of primary research, diagnosis, and therapeutic and preventative intervention. Cooperative course taught jointly by UI and WSU (MEDS 590). (Spring only)

3. Change the credits and description of the following courses [Effective: Summer 2010]

MedS ID&WS514 Biochemistry +(33 cr) WSU Med S 514

Focus on genome information, gene functions, genetic information stored, mobilized, and used, regulation, molecular medicine, genomic therapies. Presents metabolism, as integrated at the level of the intact mammalian organism for the purpose of generating energy from food and converting small molecules to essential building blocks of our cells. Fundamental principles of nutrition and chemotherapy of viral, bacterial and neoplastic diseases will also be discussed. Cooperative course taught jointly by UI and WSU (MEDS 514) (Fall only) Focuses on how the genome serves as a source of information, and how molecular understanding of gene function produces new therapeutic and diagnostic tools. Topics include how genetic information is stored, mobilized, and used; targets of regulation; molecular medicine; cancer; and genomic therapies. (Fall only)

MedS ID&WS516 Systems of Human Behavior I (34 cr) WSU Med S 516

Selected overview of contributions from behavioral sciences to clinical practice of primary care physicians. Sensitizes students to impact of such factors as emotional and physical development, cultural backgrounds, social roles, families, sexual identities, and belief systems upon their effectiveness as physicians. Encourages appreciation of the role of behavioral factors in major management problems faced in medical practice; covers physical and psychological development of the individual from the embryo through old age; teaches skills in analyzing behavior, defining behavior objectives, and designing precise treatment strategies to obtain these objectives. Cooperative course taught jointly by UI and WSU (MEDS 516). (Fall only)

MedS ID&WS535 Introduction to Clinical Medicine III (2.3-cr) WSU Med S 535

Teaches the basic physical exam of the adult through use of lectures, audiovisual aids and small group tutorials where students in supervised settings learn and practice the physical exam. Students are introduced to principals of clinical reasoning and continue to explore professional issues. Cooperative course taught jointly by UI and WSU (MEDS 535). (Spring only)

MedS ID&WS553 Anatomy & Embryology (Musculoskeletal) (3_4-cr) WSU Med S 553

The course includes anatomy and clinical lectures, gross anatomy labs and living anatomy / clinical correlation small groups. In addition, there is required work in radiology on the internet. All in class activities rely heavily on the independent study you are expected to do in preparation for each class. There will be a quiz at the start of class each day, on that day's material Prepare for class to be an asset to your group. Anatomy and clinical lectures, gross anatomy labs, living anatomy/clinical correlation, focus on musculoskeletal systems.

Cooperative course taught jointly by UI and WSU (MEDS 553). (Spring only)

Microbiology, Molecular Biology, and Biochemistry

1. Reactivate and change the description and prerequisites of the following courses [Effective: Summer 2010]

MMBB J486/J586 Plant Biochemistry (3 cr)

An in-depth introduction to metabolic processes carried out by plants, some fungi, and some alga with emphasis on cell wall synthesis, hormone synthesis, and photosynthesis. Biochemistry of higher plants with an emphasis on physiology and molecular biology. Extra oral and/or written assignments reqd for grad cr. (Spring, alt/tyears)

Prereq: MMBB 300 or MMBB 380

2. Reactivate the following dormant course [Effective: Summer 2010]

MMBB WS420 Epidemiology (3 cr) WSU MBioS 446

Study of diseases in human populations; concepts of etiology, disease rates, susceptibility, and risk factors, screening for disease, and prevention.

Prereq: Junior standing

3. Add the following course [Effective: Summer 2010]

MMBB WS465 Principles of Biophysical Chemistry (3 cr) WSU MBioS 465

For complete description of this courses, consult the WSU catalog.

Change the curricular requirements of Biochemistry (B.S.Biochem.) [Effective: Summer 2010]

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

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Biol 115 Cells and the Evolution of Life (4 cr)
Biol 210 Genetics or Gene 314 General Genetics (3-4 cr)
Chem 111 Principles of Chemistry I (4 cr)
Chem 112 Principles of Chemistry II (5 cr)
Chem 253 Quantitative Analysis (5 cr)
Chem 277 Organic Chemistry I (3 cr)
Chem 278 Organic Chemistry I: Lab (1 cr)
Chem 305 Physical Chemistry (3 cr)
Chem 306 Physical Chemistry (3 cr)
Chem 372 Organic Chemistry II (3 cr)
Chem 374 Organic Chemistry II: Lab (1 cr)
Math 170 Analytic Geometry and Calculus I (4 cr)
Math 175 Analytic Geometry and Calculus II (4 cr)
Math 275 Analytic Geometry and Calculus III (3 cr)
MMBB 380 Introductory Biochemistry (4 cr)
MMBB 382 Introductory Biochemistry Laboratory (2 cr)
MMBB 400 Seminar (1cr)
MMBB 442 Advanced Biochemistry II (3 cr)
Phys 211 Engineering Physics I (4 cr)
Phys 212 Engineering Physics II (4 cr)
Stat 251 Statistical Methods (3 cr)
Select two of the following (5-6 cr):
    Biol 444 Genomics (3 cr)
     Chem 472 Rational Design of Pharmaceuticals (3 cr)
    Chem 473 Intermediate Organic Chemistry (3 cr)
    MMBB 409 Immunology (3 cr)
     MMBB 465 Principles of Biophysical Chemistry (3 cr)
     MMBB 482 Protein Structure and Function (3 cr)
    MMBB 485 Prokaryotic Molecular Biology (3 cr)
    MMBB 486 Plant Biochemistry (3 cr)
     MMBB 487 Eukaryotic Molecular Genetics (3 cr)
     MMBB 488 Genetic Engineering (3 cr)
     MMBB 520 Instrumental Analysis (2 cr)
Electives to total 128 credits for the degree
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5. Change the curricular requirements of Medical Technology (B.S.Biochem.) [Effective: Summer 2010]

The medical technologist performs critical laboratory tests and analytical procedures that aid physicians in the diagnosis and treatment of disease. The curriculum is of interest to students desiring professional careers in hospital and clinical laboratories, public health and research laboratories, and pharmaceutical laboratories. Students will have two options to obtain a BS degree in Medical Technology:

- Upon completion of the B.S. degree in microbiology (medical technology option), those students who successfully complete 32 credits (MMBB 421) in a 12-month training course at an accredited hospital school of medical technology with a curriculum including clinical bacteriology, medical mycology, parasitology, clinical chemistry, toxicology, urinalysis, hematology, immunology-serology, immunohematology, and clinical correlations will be awarded the B.S. degree with major in medical technology.
- 2. Students may also receive a BS in Medical Technology by completing the below coursework. With this option a student must successfully complete the below 96 credits of coursework in Microbiology, Molecular Biology and Biochemistry at the U of I and 32 credits of MMBB 421 in a 12-month training course at an accredited hospital school of medical technology with a curriculum including clinical bacteriology, medical mycology, parasitology, clinical chemistry, toxicology, urinalysis, hematology, immunology-serology, immunohematology, and clinical correlations.

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

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Biol 210 Genetics or Gene 314 General Genetics (3-4 cr)
Chem 111 Principles of Chemistry I (4 cr)
Chem 112 Principles of Chemistry II (5 cr)
Chem 253 Quantitative Analysis (5 cr)
Chem 277 Organic Chemistry I (3 cr)
Chem 278 Organic Chemistry I: Lab (1 cr)
Chem 372 Organic Chemistry II (3 cr)
Math 160 Survey of Calculus or Math 170 Analytic Geometry and Calculus I (4 cr)
MMBB 154 Introductory Microbiology (3 cr)
MMBB 250 General Microbiology (3 cr)
MMBB 255 General Microbiology Laboratory (2 cr)
MMBB 380 Introductory Biochemistry (4 cr)
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MMBB 421 Hospital Internship (32 cr)
MMBB 400 Seminar (1 cr)
                                  echniques or MMBB 401 Undergraduate Research (4 cr in one semester)
MMBB 409 Immunology (3 cr)
MMBB 412 Pathogenic Microbiology (3 cr)
Phys 111 General Physics I or Phys 211 Engineering Physics I (4 cr)
Phys 112 General Physics II or Phys 212 Engineering Physics II (4 cr)
Stat 251 Statistical Methods (3 cr)
One of the following English Courses (3 cr):
    Engl 207 Persuasive Writing (3 cr)
     Engl 208 Personal and Exploratory Writing (3 cr)
     Engl 209 Inquiry-Based Writing (3 cr)
    Engl 317 Technical Writing (3 cr)
One of the following MMBB electives (3 cr):
     MMBB 422 Cellular and Molecular Basis of Disease (3 cr)
     MMBB 432 Virology (3 cr)
     MMBB 463 Molecular Parasitology (3 cr)
Electives to total 128 credits for the degree
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Organizational Sciences

1. Change the curricular requirements of **Organizational Sciences** (B.A. or B.S.) [Effective: Summer 2010]

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

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OrgS 210 Introduction to Organizational Sciences (1 cr)
OrgS 310 Applications/Experience in Organizational Sciences (1-6 cr)
OrgS 410 Capstone Project in Organizational Sciences (1-6 cr)
OrgS 444 Methods and Analysis in Organizational Science (4 cr)
Complete four of the following courses (12 cr):
    Anth 100 Introduction to Anthropology (3 cr)
     Bus 101 Introduction to Business Enterprises (3 cr)
     Comm 111 Introduction to Communication Studies (3 cr)
    JAMM 100 Media and Society (3 cr)
     PolS 101 Introduction to Political Science and American Government (3 cr)
     Psyc 101 Introduction to Psychology (3 cr)
     Soc 101 Introduction to Sociology (3 cr)
Choose a specialization from one of the following areas:
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Organizational Communication

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Select 6 courses from Comm and 2 from other disciplines for this specialization. Student may not pursue both this specialization
    and a minor in Communication Studies (24 cr):
    Comm 233 Interpersonal Communication (3 cr)
    Comm 235 Organizational Communication (3 cr)
    Comm 331 Conflict Management (3 cr)
    Comm 332 Communication and the Small Group (3 cr)
    Comm 335 Intercultural Communication (3 cr)
    Comm 347 Persuasion (3 cr)
    Comm 421 Nonverbal Communication (3 cr)
    Comm 431 Applied Business and Professional Communication (3 cr)
    Comm 433 Organizational Communication Theory and Research (3 cr)
    Comm 456 Nonprofit Fundraising (3 cr)
    Engl 207 Persuasive Writing (3 cr)
    Engl 209 Inquiry-Based Writing (3 cr)
    JAMM 265 Principles of Advertising (3 cr)
    JAMM 440 Critical Issues in Mass Media (3 cr)
    JAMM 444 Mass Media and Public Opinion (3 cr)
    Psyc 320 Introduction to Social Psychology (3 cr)
    Psyc 345 Group Dynamics (3 cr)
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Workplace Relations

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Select 6 courses from at least 3 different disciplines from the courses listed for this specialization (18 cr):
    AdOL 410 Foundations of Human Resource Development (3 cr)
    AdOL 473 Foundations of Adult Education and Adult Development (3 cr)
    Anth 327 Belief Systems (3 cr)
    Bus 311 Introduction to Management (3 cr)
    Bus 413 Leadership and Organizational Behavior (3 cr)
    Comm 235 Organizational Communication (3 cr)
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Comm 331 Conflict Management (3 cr)
         Comm 335 Intercultural Communication (3 cr)
         Comm 492 Dark Side of Communication (3 cr)
         Hist 425 Immigration and Ethnicity in the United States (3 cr)
         PolS 451 Public Administration (3 cr)
         Psyc 315 Psychology of Women (3 cr)
         Psyc 320 Introduction to Social Psychology (3 cr)
         Psyc 345 Group Dynamics (3 cr)
         Psyc 404 Special Topics (3 cr)
         Psyc 419 Adult Development and Aging (3 cr)
         Psyc 470 Introduction to Chemical Addictions (3 cr)
         Soc 250 Social Conflict (3 cr)
         Soc 301 or Anth 301 Introduction to Diversity and Stratification (3 cr)
         Soc 313 Collective Behavior (3 cr)
          Soc 423 Social Class & Stratification (3 cr)
         Soc 424 Sociology of Gender (3 cr)
    Non-Profit and Community Organization
     Select 6 courses from at least 3 different disciplines from the courses listed for this specialization (18 cr):
          AdOL 410 Foundations of Human Resource Development (3 cr)
         Bus 311 Introduction to Management (3 cr)
         Bus 413 Leadership and Organizational Behavior (3 cr)
         Bus 414 Entrepreneurship (3 cr)
         Comm 347 Persuasion (3 cr)
          Comm 456 or JAMM 456 Nonprofit Fundraising (3 cr)
          Comm 404 Special Topics (3 cr)
         Comm 431 Applied Business and Professional Communication (3 cr)
         CSS 481 Conservation Leadership (3 cr)
         CSS 486 Public Involvement in Natural Resource Management (3 cr)
         FCS 448 Consumer Economic Issues (3 cr)
         JAMM 252 Principles of Public Relations (3 cr)
         JAMM 325 Publications Editing (3 cr)
          JAMM 350 Public Relations Writing and Production (3 cr)
          JAMM 404 Special Topics (3 cr)
         JAMM 444 Mass Media and Public Opinion (3 cr)
         JAMM 452 Public Relations Campaign Design (3 cr)
         OrgS 404 Special Topics (3 cr)
          PolS 450 Nonprofit Organization and Management (3 cr)
         PolS 451 Public Administration (3 cr)
          PolS 452 Administrative Law and Regulation (3 cr)
          Psyc 320 Introduction to Social Psychology (3 cr)
          Soc 301 or Anth 301 Introduction to Diversity and Stratification (3 cr)
          Soc 315 Community Service Learning (3 cr)
One academic minor* or academic certificate chosen from the following (12-20 cr):
     Academic Minors:
         Aging Studies
          American Indian Studies
         American Studies
         Communication Studies
         History
         International Studies
          Justice Studies
         Psychology
         American Government/Public Law
          Public Administration and Policy
          Religious Studies
         Sociology
         Women's Studies
         Academic Minors from other disciplines may be substituted with advisor's approval
     Academic Certificates:
         Diversity and Stratification
          Entrepreneurship
         Organizational Dynamics
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Electives to total 128 cr for the degree

University of Idaho Leadership Certificate

^{*}Note: If an academic minor is used to satisfy this requirement, the area of emphasis or academic minor required for the CLASS general B.S. requirements is also considered satisfied.

1. Change the curricular requirements of Psychology (Minor) [Effective: Summer 2010]

Note: Psys 101 and Psys 218 must be completed with a grade of C or better. All courses required for the psychology minor must be completed with a grade of 'C' or better.

Psyc 101 Introduction to Psychology (3 cr)

At least one of the following from the following group (3-4 cr):

OrgS 444 Methods and Analysis in Organizational Science (4 cr)

Psyc 218 Introduction to Research in the Behavioral Sciences (4 cr)

Soc 310 Methods of Social Research (3 cr)

A grade of C or above in aAt least two courses from each of the following groups (12 cr):

Personal/Social Bases of Behavior

Psyc 305 Developmental Psychology (3 cr)

Psyc 310 Psychology of Personality (3 cr)

Psyc 311 Abnormal Psychology (3 cr)

Psyc 320 Introduction to Social Psychology (3 cr)

Biological/Experimental Bases of Behavior

Psyc 325 Cognitive Psychology (3 cr)

Psyc 372 Physiological Psychology (3 cr)

Psyc 390 Psychology of Learning (3 cr)

Psyc 430 Tests and Measurements (3 cr)

Psyc 444 Sensation and Perception (3 cr)

Psyc 456 Psychology of Emotion (3 cr)

And a grade of C or better in at least one additional upper-division psychology course (not including Psyc 400, 403, 497, or 499).

Rangeland Ecology and Management

1. Change the description of the following course [Effective: Summer 2010]

REM 341 Systematic Botany (3 cr)

Phylogenetic approach to understanding plant systematics and evolution with a primary focus on the flora of the Pacific Northwest. Includes identification of important plant families and the use of dichotomous keys for species identification. Classification and identification of vascular plants. Emphasis on Pacific Northwest flora. (Spring only)

Prereq: Biol 115 and Biol 116; or Plsc 205

2. Change the prerequisites of the following course [Effective: Summer 2010]

REM 402 Applied Spatial Analysis in Natural Resources (2 cr)

Course reviews basic GIS concepts emphasizing hands-on experience and independent problem solving. The overarching goal is to guide students towards excellence in assessing and analyzing management issues in natural resources with GIS and other spatial analysis techniques. (Fall only)

Prereq: For 375 or Geog 385; or Permission

3. Change the description and prerequisites of the following course [Effective: Summer 2010]

REM 357 Rangeland and Riparian Habitat Assessment (3 cr)

Methods for inventory and monitoring of upland and riparian rangeland communities; basic sampling techniques used for measuring vegetation attributes and assessing production and utilization of vegetation for management purposes; evaluation of plant communities will be interpreted with respect to ecological health, watershed protection, and value as livestock and wildlife habitat. Two lec and one field trip/lab a wk. Recommended Preparation: basic statistics course. (Fall only).

Prereq: Stat 251 or Permission

Change the credits, description, and prerequisites of the following course [Effective: Summer 2010]

REM 452 Western Wildland Landscapes (4-2 cr)

Survey of wildland plant communities of western North America, focusing on their natural history, including the effects of use by human beings, based on their physical, climatic, and biological characteristics. Recommended Preparation: REM 221 or For 221. (Spring only)

Prereq: Geog 310For 221 or REM 221; or Permission

Virtual Technology and Design

Change the number of the following courses [Effective: Summer 2010]

VTD 345-245 Advanced Modeling (3 cr) (VTD 345)

Exploration of methods for creating virtual objects and environments including visualization techniques and geometry optimization. Study of mesh, patch and NURBS modeling. Three 1 hr lecture/lab a wk and associated work. (Fall only)

Prereq: VTD 244 or Permission

VTD 346-246 Advanced Lighting and Materials (3 cr) (VTD 346)

Exploration of methods for illuminating and texturing virtual objects and environments. Foreground, middleground and background rendering issues are examined through topics that include radiosity, ray-tracing, procedural materials and render engine options. Three 1hr lecture/lab a wk and associated work. (Fall only)

Prereq: VTD 244 or Permission

VTD 371-271 Interactive Technologies (3 cr) (VTD 271)

Exploration of technologies to create and deliver interactive and immersive applications. Focus on navigation, way-finding and behavior issues associated with virtual environments. Two 1-1/2hr lecture/lab a wk and associated work. (Fall only)

Prereq: VTD 244 or Permission

2. Change the curricular requirements of Virtual Technology and Design (B.S.) [Effective: Summer 2010]

This is a four-year curriculum leading to a B.S. in Virtual Technology and Design. The third year design studio capacity is 20 students. After the first year of study, academic achievement is reviewed to determine eligibility for continued study in VTD. Only students with a 2.5 or higher grade-point average are eligible to continue in the studio sequence. Another review is conducted at the end of the second year of study. Applicants to the second and third year are required to submit an electronic media based portfolio containing examples of their art and design work. After the second year of study, academic achievement is reviewed to determine eligibility for continued study in the VTD program and permission to enroll in the third year studio sequence. Applicants to the third yearmust have a minimum GPA of 2.5 and are required to submit an electronic media based portfolio containing examples of their art and design work. Applicants should contact the program coordinator regarding acceptable media formats. The submission should also contain a transcript of any college work outside the UI. The deadline for third year applications is the close of the spring semester. Results of the evaluation will be made known to applicants by the end of June. Students accepted into the third and fourth years of the curriculum are required to maintain a minimum GPA of 2.53.0 and to receive a grade of 'C' or higher in all required VTD courses.

Note: Students who have not been accepted into the second year of the curriculum may not enroll in VTD 200 level design courses. Students who have not been accepted into the third year of the curriculum may not enroll in VTD 300 level design courses. Students who have left the program or fail a design studio course may only re-enter the curriculum by application to the program admissions committee.

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

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Art 110 Visual Communication (2 cr)
Art 121-122 Design Process I-II (5 cr)
Art 111 Drawing I (2 cr)
CS 112 Introduction to Problem Solving and Programming (3 cr)
Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
Phys 111 General Physics (4 cr)
Psyc 101 Introduction to Psychology (3 cr)
VTD 152 Introduction to Virtual Design (2 cr)
VTD 244 Introduction to 3D Modeling (3 cr)
VTD 245 Advanced Modeling (3 cr)
VTD 246 Advanced Lighting and Materials (3 cr)
VTD 253 Virtual Design I (3 cr)
VTD 254 Virtual Design II (3 cr)
VTD 266 Animation (3 cr)
VTD 271 Interactive Technologies (3 cr)
VTD 355 Virtual Design III (4 cr)
VTD 356 Virtual Design IV (4 cr)
VTD 367 Advanced Animation (3 cr)
VTD 372 Advanced Interactive Technologies (3 cr)
VTD 400 Seminar (2 cr)
VTD 457 Capstone Design Studio I (9 cr)
VTD 458 Capstone Design Studio II (9 cr)
     of the following courses (5-7 cr):
Art 271 Interaction Design I (3 cr)
     Art 272 Interface Design II (3 cr)
     Art 380 Digital Imaging (3 cr)
     JAMM 370 Digital Audio Production (3 cr)
LArc 210 Computer Applications (2 cr)
     VTD 266 Animation (3 cr)
     VTD 344 Computer-Aided Design (2 cr)
     VTD 345 Advanced Modeling (3 cr)
VTD 346 Advanced Lighting and Materials (3 cr)
     VTD 367 Advanced Animation (3 cr)
     VTD 371 Interactive Technologies (3 cr)
     VTD 372 Advanced Interactive Technologies (3 cr)
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Two history or theory courses, that are associated with the disciplines of architecture, art, film, media, music or theatre, with approval of the VTD program (6 cr).

Three directed elective courses that allow a student to develop an emphasis area or breadth in a supporting discipline, with approval of VTD program (8-9cr).

Electives to total 128 cr for the degree.

FOR THE FACULTY'S INFORMATION

Correction to General Curriculum Report 255:

Changes to Cooperative Courses Approved Since Last General Curriculum Report: (ID = taught only at UI; WS = taught only at WSU, LC = taught only at LCSC; ID&WS = can be taught at both UI & WSU; ID&LC = can be taught at both UI & LCSC)

Other Informational Changes: