

General Curriculum Report #261

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE

January 21, 2011

TO: MEMBERS OF THE UNIVERSITY OF IDAHO FACULTY

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

American Indian Studies

1. Add the following course [**Effective:** Summer 2011]

AIST 484 American Indian Literature (3 cr)

See Engl 484.

Art and Architecture

1. Drop the following courses [**Effective:** Summer 2011]

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.

Prereq: Math 143 and Phys 111

Recommended Equivalency: Arch 462

Arch 465 Building Technology II (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.

Prereq: Arch 366 and ForP 365

Recommended Equivalency: Arch 367

2. Add the following courses [**Effective:** Summer 2011]

Arch 367 Building Technology I – Steel Structures (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.

Prereq: Math 143 and Phys 111

Recommended Equivalency: Arch 465

Recommended Short Title: BT I Steel

Arch 462 Building Technology II – Concrete (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.

Prereq: Arch 367 and ForP 365

Recommended Equivalency: Arch 366

Recommended Short Title: BT II Concrete

Rationale: Improve delivery of structures content in architecture curriculum.

Art 216 Digital Tools (3 cr)

Introduction to professional design/development, and production workflows for web and print delivery. Introduction to industry standard applications and various Open Source tools. Exploring design sustainability by designing once and delivering via various technologies. Two 2-hr studios a wk and assigned work.

Prereq: Art 121 and Art 122; or Permission

3. Change the description of the following course [**Effective:** Summer 2011]

LArc 480 The Emerging Landscape (3 cr)

May be used as core credit in J-3-d. A capstone course exploring the emerging ~~cultural and environmental issues significant to the practice and scholarship of landscape architecture and land planning, and community development.~~ Keeping a journal ~~Writing projects~~ and attendance at ~~lectures activities~~ outside of class time required. Includes a ~~service learning option.~~ Recommended Preparation: Comm 101. (Spring only)

Prereq: Engl 102 and Junior standing

LArc 497 Teaching Assistant, Undergraduate (3 cr, max 6)

Teaching assistant services performed by advanced undergraduate students with faculty supervision. By permission only.

Recommended Short Title: TA Undergrad

VTD 497 Teaching Assistant, Undergraduate (3 cr, max 9)

Teaching assistant services performed by advanced undergraduate students with faculty supervision.

Recommended Short Title: TA Undergrad

4. Change the description and title of the following courses [**Effective:** Summer 2011]

Arch 385 History of Architecture I: ~~Pre-Modern~~ (3 cr)

A survey of ~~Western and non-Western~~ ~~global~~ architecture ~~and urban design from prehistory~~ through the seventeenth century, ~~considered within its diverse climatic, ecological, technological, socioeconomic, public health, and cultural contexts, in Africa, Asia, Europe, and the Americas. The course addresses architecture within its diverse social, cultural, and physical contexts.~~ Recommended Preparation: Arch 151.

Arch 386 History of Architecture II: ~~Modern~~ (3 cr)

A ~~history~~ ~~historical survey~~ of ~~global modern~~ ~~Modern~~ architecture from the late Eighteenth and Nineteenth-centuries to the development of the Modern Movement in the Twentieth-Century in relation to rapid industrialization and the intellectual culture of the Enlightenment, Romanticism, Historicism, Modernism, and Post-Modernism; Topics include: the architecture of Neoclassicism, Victorian Gothic, industrial technology, the Arts & Crafts movement, and the Modern Movement.

Art 121 ~~Integrated Design Process I~~ (2 cr)

Introduction to design process ~~as it relates to art and design disciplines~~; studio problems to familiarize students with basic design process, principles and elements of design. Studio experiences, readings, and written analysis challenge students to explore basic two- and three-dimensional design and color. Two 2-hour studios a week and assigned work; attendance at outside events (lectures, symposiums, Prichard and University Gallery openings).

Prereq or Coreq: Art 110

5. Change the credits, description, and title of the following courses [**Effective:** Summer 2011]

Arch 584 ~~Urban Design and Morphology~~ (2-3 cr)

Seminar style course that explores the theory, research, documentation and interpretive practices of urban morphology (study of urban form ~~and application to the design and planning of urban environments.~~ Through case studies students will interpret the physical structure of urban contexts and forces that impact their formal transformation over time. Field Trip and field documentation activities required. ~~Additional projects/assignments required for the 3-credit option.~~ Recommended preparation: Arch 483, background in architecture or the related fields of landscape architecture, geography and anthropology. (Spring only)

LArc 597 ~~Teaching Assistant, Graduate Practicum~~ (3 cr, max 6 arr)

~~Teaching assistant services performed by advanced graduate students with faculty supervision. By permission only.~~

6. Change the credits, description, and number of the following course [**Effective:** Summer 2011]

Arch ~~467-567~~ ~~Wellness and Design~~ (2-3 cr) (Arch 467)

Principles and exploration of the designed environment's impact on our ~~health and~~ sense of wellness. Special focus on how ~~physical and aesthetic design elements can affect the body and mind.~~ ~~light, air, views and exercise can be promoted or degraded through design.~~ Recommended preparation: Arch 463-464 and Architecture Site Design. (Fall only)

7. Change the title of the following course [**Effective:** Summer 2011]

Arch 466 Building Technology III – Seismic Design (2 cr)

Lateral and dynamic loads on architectural structures, principles of design for wind and seismic resistance, high-rise structural systems.

Prereq: Arch 356 and ForP 365

Recommended Short Title: BT III Seismic

8. Change the credits of the following course [**Effective:** Summer 2011]

LArc 154 Landscape Architecture Representation and Media 1 (2-3 cr)

Drawing and graphic techniques traditional to the practice of landscape architecture and design thinking; emphasis on conceptual and analytical graphics, plan section/elevation, perspective illustration and color rendering; introduction to digital technology presentation tools. (Spring only)

9. Change the co-requisites, description, and title of the following course [**Effective:** Summer 2011]

Art 110 Visual Integrated Art and Design Communication (2 cr)

~~Introduction to the history, theory, language, principles and processes of art and design. Lectures, readings and writing assignments are connected to the studio experiences in Art 121. The principles and elements of two and three dimensional design with application and analysis of these elements in our visual world.~~

~~Coreq: Art 121~~

Recommended Short Title: Integrated Art & Design Comm

10. Change the credits, description, prerequisites, and title of the following course [**Effective:** Summer 2011]

Art 112 Drawing as Integrated Design Thinking# (3-2 cr)

~~Emphasis on drawing as a form of thinking and communication in art and design disciplines; studio problems to familiarize students with strategies using drawing for analogy, translation, imagination and abstraction. Two 2-hour studios a week. Freehand drawing; emphasis on expressive use of materials. Two 3-hour studios a wk.~~

~~Prereq: Art 111~~

Recommended Short Title: Integrated Drawing

11. Change the curricular requirements of **Architecture (B.S.Arch.)** [**Effective:** Summer 2011]

The four-year pre-professional curriculum leading to a B.S.Arch. degree is not an accredited professional architectural degree. After the first year of study, academic achievement is reviewed to determine eligibility for continued study in architecture. 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 third year are required to submit a portfolio containing examples of graphic work in art and architecture. The portfolio, of no more than 10 pages, should be submitted in an 8-1/2" x 11" format. The submission should also contain a transcript of any college work outside the UI. The deadline for third year applications is usually May 20. Results of the evaluation are made known to applicants by the first week of July.

Students accepted into the years three and four of the curriculum are required to maintain a minimum 3.0 GPA and to receive a grade of "C" or higher in architectural design courses. Students who do not meet these criteria are ineligible for acceptance to the M.Arch. degree program and the College of Graduate Studies. Provisional admittance to the M. Arch. program can be granted, with permission, for students with GPAs of 2.8 cumulatively, or 3.0 over the last 60 credit hours. See below for M.Arch. degree requirements.

College permission is required for admittance into Architecture and Interior Design studio courses (Arch 253, Arch 254, Arch 353, Arch 354, Arch 453, Arch 454 and ID 152, ID 254, ID 351, ID 352, ID 451, ID 452) and students must achieve a minimum grade of C in the previous studio course to enroll in the next sequential studio course.

Note: Students who have not been accepted into the professional program of the curriculum may not enroll in architectural design courses. Students who have left the program may only re-enter the curriculum by application to the college admissions committee.

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 (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) |

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| Arch 254 | Architectural Design II (4 cr) |
| Arch 266 | Materials and Methods (3 cr) |
| Arch 353 | Architectural Design III (6 cr) |
| Arch 354 | Architectural Design IV (6 cr) |
| Arch 367 | Building Technology I – Steel Structures (3 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 (6 cr) |
| Arch 454 | Architectural Design VI (6 cr) |
| Arch 462 | Building Technology II – Concrete (2 cr) |
| Arch 463 | Environmental Control Systems I (3 cr) |
| Arch 463L | Environmental Control Systems I Lab (1 cr) |
| Arch 464 | Environmental Control Systems II (3 cr) |
| Arch 464L | Environmental Control Systems II Lab (1 cr) |
| Arch 465 | Building Technology II (2 cr) |
| Arch 466 | Building Technology III – Seismic Design (2 cr) |
| Arch 483 | Urban Theory and Issues (3 cr) |
| Art 110 | Visual Integrated Art and Design Communication (2 cr) |
| Art 112 | Drawing as Integrated Design Thinking (2 cr) |
| Art 121 | Integrated Design Process (2 cr) |
| ForP 365 | Wood Building Technology (3 cr) |
| LArc 251 | Introduction to Principles of 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) |

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).

12. Change the curricular requirements of **Interior Design (B.I.D.) [Effective: Summer 2011]**

The Interior Design program is a four-year professional program that leads to a Bachelor of Interior Design. Our mission is to serve as Idaho's only public, accredited, professional interior design program by providing a strong interdisciplinary design experience through a curriculum accredited by the Council for Interior Design Accreditation (CIDA), allied research, and outreach opportunities. We prepare our graduates to serve society through their professional and community work.

Due to the unique configuration and relationship between Architecture and Interior Design, students in the interior design program graduate with a major in interior design and a minor in architecture. Students can also minor in other disciplines

of their choice. Students have the option of double majoring in interior design and architecture over the period of seven years, thus graduating with a B.I.D. in interior design and an M.Arch. in architecture. Students must hold a minimum GPA of 2.50, ~~with a grade of "C" or better in all required Interior Design, Art and Architecture courses.~~ A portfolio and transcript review will be conducted in the spring of the sophomore year. The portfolio, of no more than 10 pages, should be submitted in an 8-1/2" x 11" format. Results of the evaluation are made known to applicants by the first week of July.

College permission is required for admittance into Architecture and Interior Design studio courses (Arch 253, Arch 254, Arch 353, Arch 354, Arch 453, Arch 454 and ID 152, ID 254, ID 351, ID 352, ID 451, ID 452) and students must achieve a minimum grade of C in the previous [Interior Design](#) studio course to enroll in the next sequential studio course.

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 (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 | Environmental Control Systems I (3 cr) |
| Arch 463L | Environmental Control Systems I Lab (1 cr) |
| Arch 464 | Environmental Control Systems II (3 cr) |

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| Arch 464L | Environmental Control Systems II Lab (1 cr) |
| Art 110 | Visual Communication (2 cr) |
| Art 112 | Drawing as Integrated Design Thinking (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 (2 cr) |
| ID 254 | Architectural Design II (4 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) |
| Arch 475 | Professional Practice (3 cr) |

Electives to total 128 cr for the degree (including 4-6 cr from a list of advisor-directed electives)

13. Change the curricular requirements of **Landscape Architecture (B.S.L.A.) [Effective: Summer 2011]**

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

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| Arch 483 | Urban Theory and Issues (3 cr) |
| Art 100 | World Art and Culture (3 cr) |
| Art 110 | Integrated Art and Design Visual-Communication (2 cr) |
| Art 112 | Drawing as Integrated Design Thinking (2 cr) |
| Art 121 | Design Process I (2 cr) |
| Biol 102 | Biology and Society and Lab (4 cr) |
| For 429 | Landscape Ecology (3 cr) |
| Geol 101 | Physical Geology (4 cr) |
| LArc 151 | Introduction to the Built Environment (2 cr) |
| LArc 154 | Landscape Architecture Representation and Media 1 (2 3 cr) |
| LArc 210 | Landscape Architecture Representation and Media 2 (2 cr) |
| LArc 251 | Introduction to Principles of Site Design (3 cr) |
| LArc 254 | Origins of Landscape Form (2 cr) |
| LArc 268 | Landscape Construction 1 (2 cr) |
| LArc 269 | Landscape Construction 2 (2 cr) |
| LArc 288 | Plant Materials and Design 1 (3 cr) |
| LArc 289 | Plant Materials and Design 2 (3 cr) |
| LArc 310 | Landscape Architecture Representation and Media 3 (2 cr) |
| LArc 353 | Landscape Architecture Studio 1 (3 cr) |
| LArc 355 | Landscape Architecture Studio 2 (3 cr) |
| LArc 358 | Professional Office Practice, LA (2 cr) |
| LArc 363 | Landscape Architecture Studio 3 (3 cr) |
| LArc 365 | Landscape Architecture Studio 4 (3 cr) |
| LArc 368 | Landscape Architecture Construction 3 (2 cr) |
| LArc 369 | Landscape Architecture Construction 4 (2 cr) |
| LArc 380 | Water Conservation Technologies (2 cr) |
| LArc 389 | History of Landscape Architecture (3 cr) |
| LArc 395 | GIS Applications in Land Planning 1 (3 cr) |
| LArc 453 | Landscape Architecture Studio 5 (3 cr) |
| LArc 455 | Landscape Architecture Studio 6 (3 cr) |
| LArc 463 | Landscape Architecture Studio 7 (3 cr) |
| LArc 465 | Landscape Architecture Studio 8 (3 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):

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|----------|---------------------------------------|
| Biol 314 | Ecology and Population Biology (4 cr) |
| For 221 | Ecology (3 cr) |

REM 221 Ecology (3 cr)

Electives to total 128 cr for the degree

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 GIS Applications in Land Planning 2 (3 cr)
 Phil 452 Environmental Philosophy (3 cr)
 VTD 245 Advanced Modeling (3 cr)
 VTD 266 Animation (3 cr)
 VTD 271 Interactive Technologies (3 cr)

Rationale: We would like to drop ART 100 (3 credits) as a curricular requirement and add ART 112 (2 credits) for consistency in foundational required courses throughout the College of Art and Architecture. Total credits required for the degree (128) will remain the same as we are simultaneously submitting a course credit change for LARC 154 (currently 2 credits, changing to 3 credits).

14. Change the curricular requirements of Virtual Technology and Design (B.S.) [Effective: Summer 2011]

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

Art 110 ~~Visual-Communication~~ [Integrated Art and Design Visual-Communication](#) (2 cr)
[Art 112](#) [Drawing as Integrated Design Thinking](#) (2 cr)
 Art 121 ~~122~~ [Integrated Design Process](#) (2 cr) ~~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)

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.

Biological Sciences

1. Change the credits of the following course [Effective: Summer 2011]

Biol ID&WS551 Seminar on Reproductive Biology (1 cr, max 5) WSU AS 582

Current topics in reproductive biology.

Prereq: Graduate standing

Bioregional Planning and Community Design

1. Add the following course [**Effective:** Summer 2011]

BioP 522 Bioregional Planning Methods (3 cr)

This is an overview course of the methods used in making evidence based decisions in regional planning. This course will focus on the scientific method, statistics, hypothesis testing, regression analysis, spatial analysis, qualitative analysis, and design methods; giving students a feel for power and limitations of each.

2. Change the description of the following course [**Effective:** Summer 2011]

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)~~ ~~Non-majors may choose to take the course for two credits, which will not include a professional ethics segment.~~

Business

1. Drop the following course [**Effective:** Summer 2011]

EMBA 541 Designing for the Future (1 cr)

Technological, economic, and political factors that influence future product and organizational design.

Prereq: EMBA 532, EMBA 534 and EMBA 535

Coreq: EMBA 542, EMBA 543 and EMBA 544

Recommended Equivalency: None

2. Add the following course [**Effective:** Summer 2011]

EMBA 546 Designing for Your Future (1 cr)

A personal perspective on the lessons learned in the EMBA program and a plan on utilizing those lessons in the student's professional career.

Prereq: EMBA 507, EMBA 508, EMBA 509, EMBA 510, EMBA 511, EMBA 512, EMBA 514, EMBA 515, EMBA 516, EMBA 521, EMBA 523, EMBA 524, EMBA 525, EMBA 526, EMBA 531, EMBA 532, EMBA 534, and EMBA 535

Coreq: EMBA 542, EMBA 543, and EMBA 544

Chemical and Materials Engineering

1. Change the description of the following course [**Effective:** Summer 2011]

ChE 444 Process Analysis and Control (3 cr)

Process modeling, dynamics, and analysis. ~~Coordinated lecture-lab periods.~~ Recommended Preparation: ChE 223, Math 310.

ChE 445 Digital Process Control (3 cr)

Same as ECE 477. Dynamic simulation of industrial processes and design of digital control systems. ~~Two lec and one 3-hr lab a wk.~~ ~~Coordinated lecture-lab periods.~~ Recommended Preparation: ChE 444 (Recommended Preparation for EE majors: ECE 350).

Civil Engineering

1. Change the cooperative status and prerequisites of the following course [**Effective:** Summer 2011]

CE ID&WS577 Pavement Management and Rehabilitation (3 cr) WSU C E 566

Overview of Pavement Management Systems; PMS project and network levels; serviceability concepts and performance models; PMS data needs; rehabilitation and maintenance strategies; life cycle cost analysis; implementation of PMS in design, construction, maintenance, and research; examples of working PMS; maintenance and rehabilitation of asphalt and concrete pavements.

Prereq: CE J475/J575 or Equivalent, or Permission

Recommended Short Title: Pavement Management & Rehab

2. Change the description and prerequisites of the following course [**Effective:** Summer 2011]

CE ID&WS543 Dynamics of Structures (3 cr) WSU C E 512

Equations of motion, free vibration, damping mechanisms, harmonic, impulse, and seismic loading; shock and seismic response spectra, time and frequency domain analysis, modal analysis, structural dynamics in building codes.~~Behavior of structures under impact, impulse, and seismic loads. (Alt/yrs)~~

Prereq: CE 441, CE 444, or CE 445; and Math 310

3. Change the description of the following courses [**Effective:** Summer 2011]

CE ID&WS542 Advanced Design of Steel Structures (3 cr) WSU C E 530

Plate girder design; local and global buckling; plastic collapse analysis; shear and moment-resisting connections; eccentrically-loaded connections.~~Composite action, hybrid sections, plate girders, curved girders, fatigue design, splices and connections, loads, load combinations, load distribution, computer modeling and analysis. One 1 day field trip.~~

Prereq: CE 444 or Permission

CE ID&WS575 Advanced Pavement Design and Analysis (3 cr) WSU C E 572

Design of new and rehabilitated asphalt and Portland cement concrete pavements; mechanistic-empirical design procedures; performance models; deflection-based structural analysis, overlay design, environmental effects; long-term pavement performance (LTPP), and introduction to research topics in pavement engineering. ~~Design of new and rehabilitated asphalt and Portland Cement concrete pavements, mechanistic-empirical design procedures, performance models, deflection-based structural analysis, remaining life analysis and overlay design, environmental effect, long term pavement performance (LTPP), and introduction to research topics in pavement engineering.~~

Prereq: CE 475 or Equivalent, or Permission

4. Change the description and title of the following course [**Effective:** Summer 2011]

CE ID&WS556 Properties of ~~Pavement Materials~~ Highway Pavement Materials (3 cr) WSU CE 567

Physical and mechanical properties of asphalt and Portland cement concrete materials; design of asphalt concrete mixes; introduction to viscoelastic theory; characterization methods, emphasizing fatigue, rutting and thermal cracking; modification and upgrading techniques. Three 1-hr lec a wk and variable number of lab hrs for demonstration.~~Design of asphalt and portland cement concrete mixes; physical and mechanical properties; characterization methods; effects of aggregate and binder constituents; modification and upgrading techniques; laboratory and in situ evaluation methods; applications of highway and airport materials. Three 1 hr lec a wk and variable number of lab hrs for demonstration.~~

Prereq: CE 357 or Equivalent, or Permission

Recommended Short Title: Pavement Materials

CE ID&WS566 ~~Geotechnical~~ Earthquake Engineering (3 cr) WSU C E 524

Faulting and seismicity; site response analysis; probabilistic seismic hazard assessment; dynamic soil properties; influence of soil on ground shaking; response spectra; soil liquefaction; seismic earth pressures; seismic slope stability; earthquake resistant design.~~Review of geological and seismological factors that influence design; seismic wave propagation; earthquake parameters; probabilistic hazard assessment; dynamic soil properties; response spectra; computer applications; earthquake resistant designs.~~

Prereq: CE 360 or Equivalent, or Permission

Recommended Short Title: Geot Eq Engrg

5. Change the curricular requirements of **Civil Engineering (B.S.C.E.)** [**Effective:** Summer 2011]

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Technical electives taken from upper-division Engineering, Math, Physics, Statistics, and Computer Science courses. Students may request, after approval by their academic advisor and the Petition Committee, to use other upper division technical courses in the College of Science or in Engineering Management (EM) in partial fulfillment of this requirement. Of these eighteen credits a minimum of twelve credits must be selected from electrical engineering courses including at least nine credits from the follow courses: ECE 410 or ECE 416, ECE 420, ECE 430, ECE 440 or ECE 443, ECE 450 and ECE 460. (18 cr)

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Conversation Social Sciences

2. Change the credits of the following course [**Effective:** Summer 2011]

ForP 337 Physical and Mechanical Properties of Wood (3-2 cr)

Properties of wood as they relate to physical behavior and product application; other related topics include biodeterioration, machining and adhesive technology, and strength considerations. Recommended Preparation: ForP 277 or Permission. (Spring only)

English

1. Add the following course [**Effective:** Summer 2011]

Engl 095 Small-Group Writing Tutorial (0 cr)

Weekly small-group tutorial to help students meet the challenges of academic writing required in English 101. Concurrent enrollment in English 101 required.

Coreq: Engl 101

2. Change the cross-list status of the following course [**Effective:** Summer 2011]

Engl 484 American Indian Literature (3 cr)

May be used as core credit in J-3-d. **Same as AIST 484.** Major themes and traditions in American Indian texts.

3. Change the co-requisites and prerequisites of the following course [**Effective:** Summer 2011]

Engl 101 Introduction to College Writing (3 cr)

Workshop on strategies for generating ideas for writing, for planning and organizing material, and for revising and editing; intended to prepare students for the demands of college writing, focusing on reading critically and incorporating source material. Graded P (pass)/N (repeat)/F (fail).

Prereq: Engl 090 or Equivalent

Coreq: Students with ACT scores 1-17, SAT verbal scores 200-400, COMPASS scores 1-67, or no standardized test scores must concurrently enroll in Engl 095.

Fish and Wildlife Resources

1. Add the following courses [**Effective:** Summer 2011]

WLF 561 Landscape Genetics (2 cr)

Landscape genetics is an interdisciplinary field of study that evaluates how landscape and environmental features influence gene flow, population structure and local adaptation by integrating landscape ecology, population genetics and spatial statistics. This course covers applications of landscape genetics that can improve our understanding of ecology, evolution, and management of wild populations.

Recommended Preparation: Population genetics or conservation genetics, and multivariate or spatial statistics. (Spring, alt/even yrs)

WLF 562 Landscape Genetics Lab (1-2 cr)

This optional lab course is a complement to WLF561 Landscape genetics and should be taken concurrently. Students will learn to analyze and interpret landscape genetic datasets using a variety of methods. If taken for two credits, students will do a project analyzing landscape genetic data. Recommended Preparation: Population genetics or conservation genetics, and multivariate or spatial statistics. (Spring, alt/even yrs)

Coreq: Wlf 561

2. Change the cooperative status of the following course [**Effective:** Summer 2011]

Fish ID&WS515 Large River Fisheries (2 cr) WSU NATRS 516

Management issues and problems in large river fisheries in North America and globally; importance of flood plains; ecological bases for management actions in large rivers; river fisheries in the context of multiple use of large rivers. (Fall, Alt/yrs)

Forest Ecology and Biogeosciences

1. Drop the following courses [**Effective:** Summer 2011]

For 452 Quantification of Wildland Fire and Fuels Analysis (1 cr)

Methods for inventorying woody fuels and for characterizing tree stands for assessing potential fire behavior and fire effects. Sampling design, field methods, computer programs, and statistical analysis for describing and quantifying the amount and type of fuels. Intensive 5-day short course offered off-campus. Recommended preparation: Requires introductory knowledge of fire behavior, fuels, and fire weather, as well as basic computer skills including file management.

Recommended Equivalency: None

For 453 Fuels Analysis Techniques (1 cr)

Students learn the fire and fuels modeling necessary to conduct project level analysis for fire management on federal lands. Intensive 3-day, off-campus, short course follows reading and testing pre-work. Includes reading and discussion of scientific literature, critical assessment of methods, and problem-solving requiring synthesis, application, and interpretation of course material to a case study project. (Spring only).

Prereq: For 452

Recommended Equivalency: None

For 474 Forest Inventory (3 cr)

Principles and practice of natural resources inventory, forest growth, LIDAR, inventory sampling method, and quantitative decision support. Two days of field trips. Two lectures/labs a week. Recommended Preparation: For 324 and 424.

Prereq: For 274 and Stat 251

Recommended Equivalency: None

2. Add the following course [**Effective:** Summer 2011]

For 373 Foresty Sampling Methods (2 cr)

Principles and practice of natural resource inventory, forest sampling and data analysis techniques, LIDAR, forest growth, and quantitative decision support. Lab analysis examples and use of Excel and statistical packages are integrated into lectures. Meets last 6 weeks of the semester. (Fall only)

Coreq: For 274 and Stat 251

For WS508 Environmental Spatial Statistics (3 cr) WSU Stat 508

Recommended Short Course Title: Env Spatial Statistics

For 555 Current Topics: Regeneration/Restoration (1 cr)

Review recent articles pertaining to natural and artificial regeneration of native plants, including nursery production, restoration practices, and post-disturbance treatments. Students choose, critically review, and discuss the articles to develop critical-thinking skills and confidence in their knowledge of the literature. Graded P/F. Recommended Preparation: For 324, for 424, and For 551.

Recommended Short Title: Regeneration/Restoration

REM WS508 Environmental Spatial Statistics (3 cr) WSU Stat 508

Recommended Short Course Title: Env Spatial Statistics

3. Change the joint-list status, description, and title of the following course [**Effective:** Summer 2011]

For ~~J435/J535 Remote Sensing of Active-Fire and Post-fire Effects~~Fire Management (3 cr)

Application, potential and limitations of methods for assessing active-fire behavior and post-fire effects (~~e.g., burn severity~~) in the field and from ~~airborne and satellite~~ remote sensing. Clarification of definitions of fire descriptors (fire intensity, fire severity, and burn severity) and relative merits of field and remote sensing tools for address them. Understanding of the ecological/physical impacts of fires on plants and soils and relation to field and remote measures. This course assumes that you understand ~~fuels and fire behavior, and that you have experience and are adept with Windows based software for presentation, word processing, database management, and spreadsheets, and that you understand and can use~~ maps and GIS data layers. ~~For graduate credit, additional literature review and a class project including evaluation of new, advanced technologies is required.~~ (Spring, alt/yr)

Prereq: NR 402 or REM 402; or Permission

Recommended Short Title: Remote Sensing of Fire Mgmt

4. Change the prerequisites of the following course [**Effective:** Summer 2011]

For 469 Introduction to Forest Insects (2 cr)

Roles and impacts of insects within forest ecosystems. Current management techniques of arthropod pests (insects and mites) in natural and managed forest systems. Interactions of arthropods with other agents of forest disturbance (fire and fungi). Identification of some common arthropod pests of Rocky Mountain forests. 1-hr. lecture, 1 2-hr. lab, 2 all-day field trips.

Prereq: For 221 or REM 221

5. Change the co-requisites and prerequisites of the following course [**Effective:** Summer 2011]

For 427 Prescribed Burning Lab (3 cr)

Planning, conducting and evaluating prescribed burns designed to accomplish natural resource management objectives. Sampling, models and analysis used in writing required fire use plan. 5 days of field trips; some on Saturdays. (Fall only)

Prereq: For 450, For 451, REM 244, Senior standing, and Permission

Coreq: For 426

6. Change the credits and description of the following course [**Effective:** Summer 2011]

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

Practical techniques for the design and execution of the measurement and inventory of forest resources. ~~Three-Four~~ one-hour lectures and one three-hour lab per week. Meets first 9 weeks of the semester. Modular with For 373. (Fall only)

Coreq: Stat 251

7. Change the credits, description, and title of the following course [**Effective:** Summer 2011]

REM 357 Rangeland and Riparian Habitat Assessment Ecological Monitoring and Analysis (3-4 cr)

~~Examines 1) principles to sample vegetation, soils and hydrologic function of upland and riparian areas in grasslands, shrublands and savannahs, and 2) monitoring design. Students collect, analyze and report ecological data related to scientific research, wildlife habitat, fire, grazing and land management practices. Three hours of lecture; one two-hour lab per week. Out-of-class field trips required. 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.~~ (Fall only).

Prereq: Stat 251 or Permission

Recommended Short Title: Ecological Monitor & Analysis

8. Change the description and title of the following course [**Effective:** Summer 2011]

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

Course reviews basic GIS concepts emphasizing hands-on experience and independent problem solving. Topics include GIS/GPS integration, habitat inventory, site suitability studies, risk assessment, sources of spatial data, map accuracy, etc. ArcView software and extensions will be used in exercises. ~~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)

Recommended Short Title: GIA App in Natural Resources

Recommended Equivalency: NR 402

9. Change the credits of the following courses [**Effective:** Summer 2011]

REM 407 GIS Application in Fire Ecology and Management (1-2 cr)

Introduces applications of GIS in fire ecology, research, and management including incident mapping, fire progression mapping, GIS overlay analysis, remote sensing fire severity assessments, fire atlas analysis and the role of GIS in the Fire Regime Condition Class concept and the National Fire Plan. (Spring only)

Prereq: NR 402 or GIS Primer

REM 410 Principles of Vegetation Measurement and Assessment (1-2 cr)

On-line course designed to give an overview of vegetation measurement techniques for grasslands, shrublands, woodlands, and forests. Students will gain a solid understanding of how to assess and monitor vegetation attributes relative to wildlife habitat, livestock forage, fire fuel characteristics, watershed function, and many other wildland values. Recommended Preparation: A basic statistics course and understanding of how to use computer spreadsheets such as Excel. (Fall only)

10. Change the cooperative status of the following course [**Effective:** Summer 2011]

For ~~ID&WS 572~~ Spatial and Biophysical Modeling (3 cr)–~~WSU Soils 574~~

Development of concepts, techniques, and methods for the fusion of remote sensing, GIS and biogeochemical modeling techniques for analyzing energy and material pathways and cycles; review latest methods for temporal and spatial scaling of datasets and models to develop and test hypotheses for understanding forest ecosystem structure and function.

11. Change the curricular requirements of **Fire Ecology, Management and Technology** (UG Certificate) [Effective: Summer 2011]

Note: A grade of 'B' or higher is required in all coursework for this academic certificate.

Fire Ecology Course Group (3 cr):

- For 426 Fire Ecology and Management (3 cr)
- ~~For 487 Fire Effects and Landscape Ecology (3 cr)~~
- For 526 Fire Ecology (3 cr)
- [Equivalent Coursework](#)

Ecology Course Group (2-3 cr):

- For 330 Forest Ecosystem Processes (3 cr)
- For 429 Landscape Ecology (3 cr)
- ~~For 527 or Landscape Ecology of Forests and Rangelands (3 cr)~~
- ~~REM 527~~
- ~~For 531 Invasion Biology (3 cr)~~
- REM 440 Wildland Restoration Ecology (3 cr)
- REM 459 Rangeland Ecology (2 cr)
- REM 460 Rangeland Ecology Current Topics and Field Studies (1 cr)

Equivalent Coursework

Fuels and Fuels Management Course Group (3 cr):

- For 427 Prescribed Burning Lab (3 cr)
- For 433 Science-Based Fuels Management Planning (2 cr)
- For 450 Fire Behavior (3 cr)
- For 451 Fuels Inventory and Management (3 cr)
- ~~For 453 Fuels Analysis Techniques (1 cr)~~
- ~~For 486 Fuels, Fuels Management and Fire Science (3 cr)~~
- [Equivalent Coursework](#)

Applied Tools and Analysis Course Group (3 cr):

- For 375 Introduction to Spatial Analysis for Natural Resource Management (3 cr)
- For 435 Remote Sensing of Active Fire and Post-fire Effects (3 cr)
- For 472 or Remote Sensing of the Environment (3-4 cr)
- REM 472
- ~~For 475 Financial Aspects of Fire Management (3 cr)~~
- For 570 Advanced Remote Sensing Measurement Methods (3 cr)
- For 572 Spatial and Biophysical Modeling (3 cr)
- Geog 475 Advanced GIS (3 cr)
- REM 402 Applied Spatial Analysis in Natural Resources (2 cr)
- REM 407 GIS Application in Fire Ecology and Management (1 cr)
- [Equivalent Coursework](#)

Management, Planning and Policy Course Group (2-3 cr):

- CSS 490 Wilderness and Protected Area Management (3 cr)
- ~~CSS 573 Planning & Decision Making for Watershed Management (3 cr)~~
- ~~For 424 Forest Dynamics and Management (4 cr)~~
- For 454 Air Quality and Smoke Management (3 cr)
- For 462 Watershed Science and Management (3 cr)
- For 484 Forest Policy and Administration (2 cr)
- ~~For 488 Fire and Land Management (3 cr)~~
- For 529 Forest Ecosystem Analysis (3 cr)
- ~~For 585 Natural Resources Policy Analysis (2 cr)~~
- ForP 430 Forest Engineering and Harvesting (3 cr)
- REM 456 Integrated Rangeland Management (3 cr)
- ~~WLF 492 Wildlife Management (4 cr)~~
- [Equivalent Coursework](#)

Credits to total 15 for this Academic Certificate

Foreign Languages and Literatures

1. Add the following course [**Effective:** Summer 2011]

Arbc 103 (s) Arabic Language Lab (1 cr, max 2)

Practice in listening comprehension and conversational skills. Graded P/F.

Coreq: Arbc 101 or Arbc 102

2. Change the curricular requirements of **French, German, and Spanish (Minor)** [**Effective:** Summer 2011]

Students must complete 25 credits for the French, German, or Spanish minor, of which at least 9 must be upper-division. Vertical credits may be acquired per Regulation I for the 101, 102, 201, and 202 courses as part of the 25 credits, but vertical credits may not be acquired per Regulation I for 300/400-level courses. It is not possible to challenge any upper-division courses for the minor. Study abroad credits with the number 404 and University of Idaho credits with the number 449, 498, or 499 will not automatically count toward the minor; they will be evaluated by a Foreign Languages and Literatures (FLL) advisor and may be used to complete the minor only upon approval.

Transfer credits may be applied toward a minor with the approval of the department offering the minor; however, the last nine credits applied to completion of the minor must be earned in 1) UI/FLL courses, 2) through UI study abroad, or 3) through student exchange programs, and may not include credits earned through correspondence study.

Students must complete at least 6 credits of upper-division work at the University of Idaho to complete the French, German or Spanish minor.

A student must receive a C or better in any course to count for the French, German, or Spanish minor. A maximum of 6 credits earned through study abroad may be applied toward the upper-division course requirements for a minor in French, German, Spanish, Latin, and Greek.

A student must receive a C or better for an upper-division course in the appropriate target language to count towards the minor.

French Minor

Fren 101-102 Elementary French I-II (8 cr)

Fren 201-202 Intermediate French I-II (8 cr)

~~Fren 301~~ Adv-French Grammar or

~~Fren 302~~ Adv-French Writing Skills (3 cr)

Nine credits of upper-division French courses~~Upper-div courses in French~~ (not including lab-based and lit in translation courses) (~~6-9~~ cr)

German Minor

Germ 101-102 Elementary German I-II (8 cr)

Germ 201-202 Intermediate German I-II (8 cr)

~~Germ 301~~ Advanced German Grammar or

~~Germ 302~~ Advanced German Speaking and Writing (3 cr)

Nine credits of upper-division German courses~~Upper-div courses in German~~ (not including lab-based and lit in translation courses) (~~6-9~~ cr)

Spanish Minor

Span 101-102 Elementary Spanish I-II (8 cr)

Span 201-202 Intermediate Spanish I-II (8 cr)

~~Span 301~~ Advanced Grammar (3 cr)

~~Span 302~~ Advanced Composition (3 cr)

Nine credits of upper-division Spanish courses including Span 301 and Span 302, but not including lab-based, FLEN, or lit/film in translation courses. One additional 300-level course in Spanish (not including lab-based, lit or film in translation, or one-credit conversation practice courses) (3-9 cr)

Interdisciplinary Studies

1. Add the following course [**Effective:** Summer 2011]

Intr 316 Explore Mentoring & Leadership (3 cr)

Same as Psyc 317 and Soc 316. Through the study of both mentoring as well as leadership, this course will prepare students to become effective mentors, citizens and members of the larger community. The course will cover a broad range of topics including: mentoring skills; leadership language, theory and style; communication and conflict; social justice and multiculturalism; values and ethics; and social change.

International Studies

1. Add the following course [**Effective:** Summer 2011]

IS 440 International Organizations and International Law (3 cr)

See PoIS 440.

Mathematics

1. Add the following course [**Effective:** Spring 2011]

Math ID&WS494 Seminar in Mathematical Biology (1 cr) WSU Biol 494 and Math 494

Oral presentation of research approaches, research results and literature review of mathematical biology including mathematical modeling of biological systems.

Music

1. Change the description of the following course [**Effective:** Summer 2011]

MusA 115 (s) Studio Instruction (2 cr, max 4)

Review of fundamentals of technique and musicianship in preparation for MusA 124 and MusA 134. Maximum two semesters on the same instrument.

Prereq: Placement audition by committee

Natural Resources

1. Drop the following course [**Effective:** Summer 2011]

NR 402 GIS Applications in Natural Resources (1 cr)

Application of GIS principles to natural resource problems. Topics include GIS/GPS integration, habitat inventory, site suitability studies, risk assessment, sources of spatial data, map accuracy, etc. ArcView software and extensions will be used in hands on exercises. Four hrs/week for six weeks.

Prereq: Geog 385 or Permission

Recommended Equivalency: REM 402

Neuroscience

1. Add the following course [**Effective:** Spring 2011]

Neur 565 Linguistics, Literacy, and Brain Function (3 cr)

See EDCI 565.

Political Science

1. Add the following courses [**Effective:** Summer 2011]

PoIS J420/J520 Introduction to Asian Politics (3 cr)

This course will offer both a country-based and thematic survey of political systems and issues in Asia. Countries to be covered will include (but not be limited to) China, Japan, India, Indonesia, Thailand, and Pakistan. The course will also cover topics such as democratization, economic development, and the changing Asian security environment. Additional projects and/or assignments required for graduate credit.

Recommended Preparation: PoIS 205. (Spring only)

2. Change the cross-list status of the following course [**Effective:** Summer 2011]

PoIS J440/J540 (s) International Organizations and International Law (3 cr)

PoIS 440 same as IS 440. League of Nations, United Nations, and role of international law in international relations; the UN's contribution to international security and economic and social development. Additional projects/assignments required for graduate credit.

Psychology and Communication Studies

1. Add the following course [**Effective:** Summer 2011]

Psyc 317 Explore Mentoring & Leadership (3 cr)

See Intr 316.

Sociology and Anthropology

1. Add the following course [**Effective:** Summer 2011]

Soc 316 Explore Mentoring & Leadership (3 cr)

See Intr 316.

FOR THE FACULTY'S INFORMATION

Correction to General Curriculum Report 260:

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: