General Curriculum Report #244

UNIVERSITY OF IDAHO - REGISTRAR'S OFFICE
April 20, 2007

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.

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Chemical Engineering

1. Change the credits of the following courses [**Effective**: Summer 2008]

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

ChE 452 Environmental Management and Design (~~3 cr, max~~ cr arr)
May be used as core credit in J-3-d. Same as EnvS 452. Waste management application projects; projects require original design, working model, and report. May involve week-long trip to national competition. One lec and 3 hrs of lab a wk; weekly team status report meetings plus weekly task reviews with advisor.
Prereq: Permission (by invitation only).

Economics, Finance and Information Systems

1. Add the following subject prefix [**Effective**: Summer 2007]

EMBA

2. Add the following courses [**Effective**: Summer 2007]

EMBA 500 Master's Research and Thesis (1-10 cr, max 10)
Students enrolled in the EMBA program must take either EMBA 500 or 599 but are not required to take both.

EMBA 507 Internal and External Analysis (1 cr)
Integrative module providing an overview of the program with focus on personal and environmental analysis of factors influencing leadership and firm performance.
Coreq: EMBA 508 and 509

EMBA 508 Decision-Making and Critical Thinking (1 cr)
Theory and practice of decision making in complex environments.
Coreq: EMBA 507 and 509

EMBA 509 Introduction to Group Dynamics (1 cr)
Design and development of work groups and teams; influences, issues, and problems affecting team productivity.
Coreq: EMBA 507 and 508

EMBA 510 Summer Integrative Experience (3 cr)
Participation in an integrative project of the students own design in consultation with faculty. Possible topics include international study and exchange, social marketing, community outreach, and research writing for publication.
Prereq: EMBA 521, 523, 524 and 525

EMBA 511 Evolution of Management Thought (1 cr)
Traces the cross-cultural evolution of management and leadership theory and practice from antiquity to the present.
Prereq: EMBA 507, 508 and 509
Coreq: EMBA 512, 513 and 514

EMBA 512 Managing Complex Systems (3 cr)

Managing the firm as a complex adaptive system. Analysis of national and global markets, and political and social environments, including taxation, as a framework for understanding organizational systems.
Prereq: EMBA 507, 508 and 509
Coreq: EMBA 511, 513 and 514

EMBA 513 Social Responsibility and Ethical Leadership (1 cr)
Examines the foundations of business ethics, the role of private and public organizations in society, and the challenges of decision making and leadership in an environment of globalization, sustainability, and change.
Prereq: EMBA 507, 508 and 509
Coreq: EMBA 511, 512 and 514

EMBA 514 Financial Reporting and Financial Management (4 cr)
Introduction to financial accounting, financial statement analysis, and capital budgeting. Employs the tools of accounting and finance to help managers make short-term and long-term decisions. Topics include the role of financial reporting, analysis and auditing in the capital markets, long-term financing through capital structure management, and working capital management.
Prereq: EMBA 507, 508 and 509
Coreq: EMBA 511, 512 and 513

EMBA 521 Strategy Formulation and Execution for Sustainable Competitive Advantage (2 cr)
Formulation and implementation of competitive strategies to identify, build and leverage core competencies in an uncertain, competitive, and ambiguous environment. Theory and practice of strategy implementation and execution. Emphasizes assessing the alignment of strategy with action throughout the organization as well as strengthening linkages through business process design and measurement.
Prereq: EMBA 511, 512, 513 and 514
Coreq: EMBA 523, 524 and 525

EMBA 523 Launching New Products and Businesses (2 cr)
Management of introducing new products and ventures. Examines marketing, engineering, finance, and production management decisions.
Prereq: EMBA 511, 512, 513 and 514
Coreq: EMBA 521, 524 and 525

EMBA 524 Strategic Cost and Process Management (3 cr)
Introduction to cost behavior and product costing as a foundation for preparing and understanding operating budgets. Emphasis will be placed on selecting and using appropriate accounting methods and process analysis tools for a variety of production processes, market conditions and competitive environments.
Prereq: EMBA 511, 512, 513 and 514
Coreq: EMBA 521, 523 and 525

EMBA 525 Managing Relationships to Influence Behavior (2 cr)
Principles of developing and maintaining exchange relationships. Application of the principles to the practice of managing relationships between the organization and two key stakeholder groups: employees and customers.
Prereq: EMBA 511, 512, 513 and 514
Coreq: EMBA 521, 523 and 524

EMBA 532 Strategic Leadership for Innovation and Change In the Global Environment (4 cr)
Strategic analysis of the structural and environmental factors related to adaptive change in learning organizations within the global environment.
Prereq: EMBA 510, 521, 523, 524 and 525
Coreq: EMBA 534 and 535

EMBA 534 Managing and Leading Projects (4 cr)
Techniques, tools, and software used to select, plan, initiate, manage, and control projects. Concepts and approaches for managing environmental complexity and uncertainty, vague mandates, dynamic risk, and time-critical deadlines.\
Prereq: EMBA 510, 521, 523, 524 and 525
Coreq: EMBA 532 and 535

EMBA 535 Strategic Leadership of Relationships (3 cr)
Management of relationships internal and external to the organization. Facilitation of stakeholders' needs through topics such: as strategic communication, technological advances, social network analysis and supply chain management.
Prereq: EMBA 510, 521, 523, 524 and 525
Coreq: EMBA 532 and 534

EMBA 541 Designing for the Future (1 cr)
Technological, economic, and political factors that influence future product and organizational design.
Prereq: EMBA 532, 534 and 535
Coreq: EMBA 542, 543 and 544

EMBA 542 Negotiation and Conflict Management (2 cr)
Theory and practice of negotiation and dispute resolution.
Prereq: EMBA 532, 534 and 535
Coreq: EMBA 541, 543 and 544

EMBA 543 Assessing to Improve Firm Performance (3 cr)
Evaluation of organizational performance from multiple perspectives using quantitative and qualitative methods.
Prereq: EMBA 532, 534 and 535
Coreq: EMBA 541, 542 and 544
Rationale: Course requested for EMBA (see attached NOI)

EMBA 544 Risk Management (3 cr)
Review of the history, tools, and behavioral aspects of risk management.
Prereq: EMBA 532, 534 and 535
Coreq: EMBA 541, 542 and 543

EMBA 599 (s) Non-thesis Master's Research (1-5 cr, max 5)
Research not directly related to a thesis or dissertation. Student works with individual professor to design a research study, collect and analyze data, and prepare written report. Students must take either EMBA 500 or 599 but are not required to take both.

Geography

1. Change the curricular requirements of **Geography** (B.S.) [**Effective**: Summer 2008]

D. Geographic Information Systems (GIS) Option

This option focuses on teaching theoretical fundamentals, techniques, and practical applications of modern geoprocessing using spatial analysis and information systems technology. Students will study in GIS and spatial analysis including cartographic principles, computational technology, and geographic information problem solving. Required courses are listed below by subfields:

Computer Science, Systems and Engineering Tools (10-12 cr):
- Bus 250 Introductory Systems Development (3 cr)
- CE 211 Engineering Measurements or CE 218 Elementary Surveying (2-4 cr)
- ~~CS 112 Intro to Problem Solving and Programming (3 cr)~~
- CS 360 Database Systems (3 cr)
- Engr 105 Engineering Graphics (2 cr)

Math and Writing Courses (13 cr):
- Engl 313 Business Writing or Engl 317 Technical Writing (3 cr)
- Math 160 Survey of Calculus or Math 170 Analytic Geometry and Calculus I (4 cr)
- Math 176 Discrete Mathematics (3 cr)
- Math 330 Linear Algebra or Stat 401 Statistical Analysis (3 cr)

GIS Courses and Practicum (11-13 cr):
- Geog 407 Spatial Analysis and Modeling (2 cr)
- Geog 427 Spatial Decision Support Techniques (3 cr)
- Geog 475 Advanced GIS (3 cr)
- Geog 479 GIS Programming (2 cr)
- Geog 497 Practicum (1-3 cr)

~~Math 160 Survey of Calculus or Math 170 Analytic Geometry and Calculus I (4 cr)~~
~~Math 176 Discrete Mathematics (3 cr)~~
~~Math 330 Linear Algebra or Stat 401 Statistical Analysis (3 cr)~~

Spatial Techniques (6 cr):
- For 375 Airphoto Interpretation and Mapping (3 cr)
- For 472 Remote Sensing of Environment (3-4 cr)
- Geog 424 Hydrologic Applications of GIS and Remote Sensing (3 cr)
- Geog 483 Remote Sensing/GIS Integration (3 cr)

6 credits of Upper Division Geography Courses
Electives to total 128 cr for the degree

Law

1. Change the credits of the following course [**Effective**: Summer 2007]

Law 815 Legal Research and Writing (0 or 5~~3~~ cr, max ~~3~~5)
Year-long course. An introduction to traditional and computer-assisted legal research, objective and persuasive legal writing, and oral argument.

Material Science and Engineering

1. Add the following course [**Effective**: Summer 2008]

MSE WS302 Electronic Materials (3 cr) WSU MSE 302

2. Change the dormant status the following course [**Effective**: Summer 2008]

MSE 430 Electrical, Optical, and Magnetic Properties of Materials (3 cr)
Materials for circuits, Magnetism and magnetic materials, Ferroelectric and piezoelectric materials, Semiconductors, Optical properties of semiconductor for Optoelectronics. (Spring only)
Prereq: Senior standing or Permission

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FOR THE FACULTY'S INFORMATION

Correction to General Curriculum Report 243:

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:

1. Add the following definition of credit arranged [**Effective**: Summer 2008]

   Credit Designations

   Immediately following each course title, the number of credits authorized is shown in parentheses. Typical designations are:

   (3 cr) - three semester credits (for courses with more than one number, e.g., 101-102-103, the three credits apply to each number).

   (1-3 cr) - one to three semester credits.

   (3 cr; 2 cr) - three credits fall semester; two credits spring semester.

   (1-3 cr, max 3) - one to three credits during any academic session and the course may be repeated until the maximum of three credits has been earned.

   (3 cr, max 12) - three credits during any academic session and the course may be repeated until the maximum of twelve credits has been earned (for a course with more than one number, e.g., 301-302, the maximum is overall and applies to the combined numbers).

   (cr arr) - credits to be arranged from 0 to 16 credits (may be repeated for credit without restriction as to maximum).

   (1-3 cr, max arr) - one to three credits during any academic session, and the course may be repeated.

2. Add the following as Social Science courses [**Effective**: Summer 2007]

   Core 122 What is Normal, Anyway?: Disability, Difference and Society (4 cr)
   May be used as core credit in J-3-d. Open to freshmen only. Disability, unlike other social constructions and/or phenomena, applies to everyone! It doesn't matter what profession you're in, what race, religion, or sex you are; disability is an issue that will affect you either directly or indirectly at some point in your life. Disability is a human phenomenon, not a minority phenomenon or a discreet ethnic group. Disability cuts across all of these other groupings.

   Core 123 Riddles and Paradoxes: How the Culture of Markets Shape our World: Past, Present, and Future (4 cr)
   May be used as core credit in J-3-d. Open to freshmen only. This class is a year long discovery in how markets and the economic way of thinking have shaped our world. It will have a policy emphasis with many case studies. The market economy has a profound influence on the way you live your life, the lives of your family and friends, and society as a whole. Markets and capitalism emerged from the depths of ancient history forged by cultural, philosophic, sociological, and government institutions. Capitalism competed against several alternative methods of organizing production ultimately replacing or dominating most of them, most notably illustrated by the fall of the old Soviet Union. Markets are guided by the economic way of thinking which often produces unexpected results, paradoxes, and apparent riddles when applied to an array of interdisciplinary policy issues.

   Core 124 Revolutions in Scientific Understanding (4 cr)
   May be used as core credit in J-3-d. Open to freshmen only. What is science? At its most fundamental level, it is an attempt to understand our world. But even from this simple suggestion, complex and difficult questions arise concerning the nature of understanding, explanation, progress, and objectivity. We propose to offer a course that will address the complex scientific, philosophical, and broadly humanistic issues devolving from our attempt to understand the world and our place in it. The first semester will survey the development of science (as "natural philosophy") from ancient times through the scientific revolutions of the seventeenth century. The second semester will focus on the Darwinian revolution and its (still unfolding) aftermath for our conception of ourselves.

   Core 125 The Earth and our place on it (4 cr)
   May be used as core credit in J-3-d. Open to freshmen only. From honey bees that pollinate our food to fossil fuels that power our transportation systems and factories, humans are part of and dependent on a complex system we call earth. Through lectures, discussions, readings, film, and real life experiences, this course draws on insights from science, the social sciences, and the humanities to explore our dependency and impact on the earth system, the long-term well-being and sustainability of the earth system, and our effort to make sense of and give expression to our human place within the earth system. Our exploration covers a broad range of topics but

gives particular attention to global climate change, fossil fuel resources and consumption, and global water resources. In addition, we investigate how people, through public policy and social change efforts, respond to the issues we explore. Finally, we draw on a variety of writings that constitute a literature of hope that seek to give us a sense of possibility and empowermen t as we consider how we can make a difference in protecting our home, the earth.

3. Add the following as Humanities courses [**Effective**: Summer 2007]

Core 172 What is Normal, Anyway?: Disability, Difference and Society (3 cr)
May be used as core credit in J-3-d. Open to freshmen and sophomores. Disability, unlike other social constructions and/or phenomena, applies to everyone! It doesn't matter what profession you're in, what race, religion, or sex you are; disability is an issue that will affect you either directly or indirectly at some point in your life. Disability is a human phenomenon, not a minority phenomenon or a discreet ethnic group. Disability cuts across all of these other groupings.

Core 173 Riddles and Paradoxes: How the Culture of Markets Shape our World: Past, Present, and Future (3 cr)
May be used as core credit in J-3-d. Open to freshmen and sophomores. This class is a year long discovery in how markets and the economic way of thinking have shaped our world. It will have a policy emphasis with many case studies. The market economy has a profound influence on the way you live your life, the lives of your family and friends, and society as a whole. Markets and capitalism emerged from the depths of ancient history forged by cultural, philosophic, sociological, and government institutions. Capitalism competed against several alternative methods of organizing production ultimately replacing or dominating most of them, most notably illustrated by the fall of the old Soviet Union. Markets are guided by the economic way of thinking which often produces unexpected results, paradoxes, and apparent riddles when applied to an array of interdisciplinary policy issues.

Core 174 Revolutions in Scientific Understanding (3 cr)
May be used as core credit in J-3-d. Open to freshmen and sophomores. What is science? At its most fundamental level, it is an attempt to understand our world. But even from this simple suggestion, complex and difficult questions arise concerning the nature of understanding, explanation, progress, and objectivity. We propose to offer a course that will address the complex scientific, philosophical, and broadly humanistic issues devolving from our attempt to understand the world and our place in it. The first semester will survey the development of science (as "natural philosophy") from ancient times through the scientific revolutions of the seventeenth century. The second semester will focus on the Darwinian revolution and its (still unfolding) aftermath for our conception of ourselves.

Core 175 The Earth and our place on it (3 cr)
May be used as core credit in J-3-d. Open to freshmen or sophomores. From honey bees that pollinate our food to fossil fuels that power our transportation systems and factories, humans are part of and dependent on a complex system we call earth. Through lectures, discussions, readings, film, and real life experiences, this course draws on insights from science, the social sciences, and the humanities to explore our dependency and impact on the earth system, the long-term well-being and sustainability of the earth system, and our effort to make sense of and give expression to our human place within the earth system. Our exploration covers a broad range of topics but gives particular attention to global climate change, fossil fuel resources and consumption, and global water resources. In addition, we investigate how people, through public policy and social change efforts, respond to the issues we explore. Finally, we draw on a variety of writings that constitute a literature of hope that seek to give us a sense of possibility and empowermen t as we consider how we can make a difference in protecting our home, the earth.

4. Add the following as Core Science courses [**Effective**: Summer 2007]

CORS 221 Physics in Everyday Life (3 cr)
Much of the world around us and the technology of our everyday lives are governed by a few physics principles, and once these principles are understood, the world around us becomes understandable and predictable. This course will bridge the experience of our everyday lives with the principles of physics. The content of the course will include the development of science; Newton's three laws in our everyday lives; energy and physics; and modern physics and medicine.

CORS 222 Insects: The little things that run the world (3 cr)
As much as we try to avoid them, the activities of insects are unavoidable. They influence every aspect of our lives, from the food we eat to the wars we fight. They make up three quarters of the total animal species on the planet and outweigh every other form of life. They are everywhere and affect us in ways we seldom imagine. This course will get you better acquainted with the enormous role insects have played in shaping both human society and the very nature of our planet.

5. Change the curricular requirements of **Law** (J.D.) [**Effective**: Summer 2007]

Total Credits
Candidates for graduation must complete ~~88~~ 90 semester hours of credit either in the College of Law, by transfer from a law school on the approved list of the American Bar Association, or through approved graduate-level courses outside the law school. Total credits must include passing all first-year courses as well as Professional Responsibility, Constitutional Law I, and Constitutional Law II.

Students may take no fewer than 10 and no more than 18 credits in one semester without the permission of the Associate Dean for Administration and Students.

All credit hours presented in satisfaction of the ~~88~~ 90 credit hours required for graduation must be completed within a six-year period from the beginning of the first course so presented to completion of the last course so presented.

In order to satisfy requirements for a Legal Intern Limited License, students must complete 2/3 of the prescribed course of study. Therefore, students must complete at least ~~59~~ 60 credits before becoming eligible for a limited license.