UNIVERSITY CURRICULUM COMMITTEE  
2014-15 Meeting #2, September 15, 2014

Present: Heather Chermak, Don Crowley, Janine Darragh, Dan Eveleth (Chair), Rodney Frey, Rachel Fujita, Pat Hart, Tim Johnson, Joe Law, Tim Prather, Todd Thorsteinson, Kern Vierling.  
Absent: Pilar Alfaro, Jeanne Stevenson, Sarah Vetsmany.  
Others Present: Steve Chandler, Dwaine Hubbard, Charles Tibbals.  

Call to order: A quorum being present, the chair called the meeting to order at 3:30 p.m. in the SUB Cataldo room. The minutes of the September 8, 2014 meeting were approved.  

Other Business:  
Old Business:  

UCC-15-001 College of Letters, Arts, and Social Sciences  
English: The committee reviewed the returning changes from English. Committee chair Eveleth suggested some changes to the language of the requirements. Committee member Johnson asked how many thesis credits were normally completed by the TESL majors. Steve Chandler said that he could not remember a student ever using less than 6 credits for their thesis. Committee member Crowley suggested some modifications to the language. Chandler agreed with making language changes to meet the requests of the committee. Hearing no further questions the motion approve the proposed changes with amendments passed unanimously.  

1. Change the curricular requirements of Teaching English as a Second Language (M.A.)  

Master of Arts in Teaching English as a Second Language. The M.A. in TESL is intended for students who are interested in learning to teach English as a second language at the post-secondary level. The students take courses work in linguistics and in language teaching pedagogy. This curriculum provides both theoretical background and practical training in the areas of second language acquisition field. Students take course work in theoretical and applied linguistics and in teaching methods.  

Of the minimum of 33 credits required for the degree, at least 24 must be earned while enrolled at UI, and at least 21 credits must be earned in courses numbered 500 and above. The 33 credits are to include the following courses (18 credits):  

-ENGL 510 SL: Descriptive Linguistics  
-ENGL 510 SL: Second Language Acquisition  
-ENGL 513 ESL Methods I  
-ENGL 515 ESL Teaching Practicum  
-ENGL 517 Intro to Applied Linguistics  
-ENGL 544 Sociolinguistics.  

The remaining 15 credits are to be taken in approved electives in the Department of English, which may include thesis credits. At least 12 credits are to be taken from approved courses in language and linguistics. 12 credits are to be taken from approved courses in pedagogy (at least 9 of these credits are to be from English department courses), and 9 credits are to be taken from approved electives in English and education. At least 21 credits must be earned in courses numbered 500 and above.  

The M.A. in TESL offers a thesis option. Students who choose to complete the thesis option will write a thesis which may be up to 6 credits of their required 33 credits. Students who do not elect to write a thesis must complete their non-thesis option in the form of a comprehensive examination.  

Native speakers of English in the TESL program must complete or have completed two years of college work (or its equivalent) in a modern foreign language. They must have studied a foreign language for at least one semester (or equivalent) within the preceding five years. Non-native speakers of English are excused from this requirement.  

In the second year candidates will take a comprehensive examination on linguistics, pedagogy and TESL theory, and teaching methodology.  

UCC-15-006 College of Education  
The committee reviewed the proposed deletion of several Teaching Majors and Minors. Committee chair Eveleth reviewed the conversations he had with the College of Education. In Eveleth’s summary he indicated that the
College of Education felt that because these changes are in response to accreditation and because faulty in those affected programs choose to not participate in the re-accreditation process, that any further college level review was unnecessary. Committee member Darragh added her knowledge of the recent accreditation process in the College of Education. Committee members Prather, Johnson, and Crowley all voiced their desire to respect the standard approval procedures and to have the College of Education Faculty review the proposal and vote on it prior to UCC making a vote on the proposal. Committee member Frey and Hart voiced their support for following proper approval process and the faculty buy-in it can help generate. The committee moved to table the proposal unanimously pending approval of the proposal by the College of Education faculty.

New Business:

UCC-15-007 College of Engineering

Biological and Agricultural Engineering: It was motioned and seconded to approve the proposed changes to Biological and Agricultural Engineering. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Add the following course:

   BAE 425 Introduction to Biomedical Engineering (3 cr)
   Principles of biomedical engineering, including biomechanics, biomaterials, nano-osseointegration, tissue engineering, cardiovascular systems and artificial hearts, medical imaging, and a brief survey of biosensors and bio-signaling.
   Prereq: Junior or Senior standing in the College of Engineering or the College of Science; or Permission of Instructor
   Short Course Title: Intro to Biomedical Engr

2. Change the following courses:

   BAE J452/J552 Environmental Water Quality (3 cr)
   Engineering design to monitor, evaluate, and minimize non-point pollution from agriculture, environmentally acceptable disposal of wastes, bioremediation. Graduate credit requires an additional project and report. Two lec and one 3-hr lab a wk.
   Prereq: BAE 355 and Chem 112; and Soil 205 or Biol 250, and BAE 355 or BAE 450

   BAE 461 Bioprocess Engineering (3 cr)
   Carries 2 credits after ME 345. Processing principles and transport processes applied to the analysis and design of handling, processing, and producing of biomaterials and bioprocesses. Course includes advanced biological sciences applications. Two lec and one 3-hr lab a wk. (Spring only, alt/yr)
   Prereq: Math 310, and Engr 320 and Engr 335, or Permission

   BAE 462 Electric Power and Controls (3 cr)
   Design, selection, and use of electrical equipment and electric power systems for application to biological systems; design and use of electrical, electronic, and other feedback control systems for use with biological systems. Course includes advanced biological sciences applications. Two lec and one 3-hr lab a wk.
   Prereq: Engr 240
   Coreq: Math 310

Computer Science: It was motioned and seconded to approve the proposed change to Computer Science. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the following courses:

   CS J449/J549 Fault-Tolerant Systems (3 cr)
   Same as ECE J449/J549. Design, modeling, analysis and integration of hardware and software to achieve dependable computing systems employing on-line fault tolerance; theory and fundamental concepts of designing reliable systems; analytical evaluation techniques, faults and advances in ultra-reliable distributed systems, fault-tolerant software systems; case studies include the space Shuttle, Airbus, and Boeing fly-by-wire primary flight computers as well as systems in reliable data bases and financial markets. Additional projects and assignments reqd for grad cr.
   Prereq: ECE 444 or Permission

Engineering Management: It was motioned and seconded to approve the proposed change to Engineering Management. Hearing no questions the motion to approve the proposed change passed unanimously.
1. Add the following course:

**EM 570  Global Product Development (3 cr)**
Discussion of topics related to enabling effective global product development spanning the entire product development cycle from strategy development, through project execution, and ultimately post release product support. Rather than presenting a fixed methodology, this course will provide a framework for global development that can be adapted to specific environments.

**Mechanical Engineering:** It was motioned and seconded to approve the proposed changes to Mechanical Engineering. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Change the following courses:

**ME J414/J514  HVAC Systems (3 cr)**
Application of thermodynamics, heat transfer, and fluid flow to understanding the psychrometric performance of systems and equipment; evaluating the performance characteristics, advantages, and disadvantages of the various types of HVAC systems including large tonnage refrigeration/chiller equipment, cooling coils, cooling towers, ducts, fans, and heat pump systems; economics of system and equipment selection. **Recommended Preparation:** ME 345, ME 444.

**Prereq:** ME 345

**ME 422  Applied Thermodynamics (3 cr)**
Advanced topics in applied thermodynamics including availability (exergy) analysis of systems, advanced power and refrigeration cycles, combustion, and thermodynamic properties of real fluids.

**Prereq:** ME 345

**Nuclear Engineering:** It was motioned and seconded to approve the proposed change to Nuclear Engineering. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Add the following courses:

**NE 567  Advanced Nuclear Systems and Modeling (3 cr)**
Comprehensive information about nuclear systems (such as, nuclear steam supply systems, safety systems, etc) and analytical modeling of nuclear systems. Description of reactor technologies (such as, Boiling Water Reactor -BWR- and Pressurized Water Reactor -PWR- systems and corresponding modeling and performance of the systems. Reactor thermal hydraulics models/tools are used to model the systems. Course projects are defined for practicing modeling techniques.

**Prereq:** NE 565

Short Course Title: Adv Nuc Systems & Model

**UCC-15-008** Office of the Registrar
It was motioned and seconded to approve the proposed Non-Regionally Accredited transfer work from the New School of Architecture. Dwaine Hubbard provided the committee with explanation of this procedure. Hearing no questions the motion to approve the proposed changes was passed unanimously.

**UCC-15-009** College of Agricultural and Life Sciences
**Family and Consumer Sciences:** It was motioned and seconded to approve the proposed change to Family and Consumer Sciences. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the following course:

**FCS 388  Food Systems Management Lab Intro Dietetics Supervised Practice II (1 cr)**
CPD supervised practice experience including introductory clinical, community, and food service management activities and facility rotations. One 3-hour lab per wk. (Spring only)

**Prereq:** FCS 384

**Coreq:** FCS 387

Short Course Title: Intr Dietetics Suprvsd Prac II

**UCC-15-010** College of Education
The committee reviewed the proposed Online Teaching Endorsement and the creation of four new courses associated with that endorsement. Charles Tibbals noted that CTE 104 and CTE 111 have not been offered since
the Spring of 2011 and inquired if the College of Education would resume offering those courses on a regular basis. Committee member Darragh indicated she did not know, but she would inquire within the college. Committee chair Eveleth asked about the difference in terminology of Teaching Majors/Minors and Teaching Endorsements. Tibbals explained that the Teaching Majors/Minors is a term used by the University of Idaho and that Teaching Endorsement is the language the State Board of Education uses. Hearing no questions the motion to approve the proposed changes was passed unanimously. The request for approval of the new endorsement will be forwarded to Faculty Senate for review and the proposed courses will be added to a forthcoming General Curriculum Report.

1. Add the following courses:

   - **EDCI 581 Theoretical Foundations of Online Learning (3 cr)**
     This course provides an overview of theoretical issues surrounding online learning, including considerations of new technologies, socio-cultural diversity, learning theories, pedagogical approaches, and emerging trends.
     **Prereq:** Senior-status in teacher preparation program or Graduate-status in an education-related field
     
     
     Proposed Short Course Title: Theor Found Online Learning

   - **EDCI 582 Online Course Design (3 cr)**
     This course teaches students the course design process and provides them with opportunities to design, develop, and evaluate online course modules.
     **Prereq:** EDCI 581; and Senior-status in teacher preparation program or Graduate-status in an education-related field

   - **EDCI 583 Open Education (3 cr)**
     This course addresses ethical, legal, and behavioral issues related to online learning, including social participation, copyright, internet safety, and etiquette and provides students with opportunities to apply their knowledge to practice.
     **Prereq:** EDCI 581; and Senior-status in teacher preparation program or Graduate-status in an education-related field

   - **EDCI 595 Practicum in Online Learning (3 cr)**
     This practicum is taught in conjunction with Idaho Distance Learning Academy (IDLA) and provides students with opportunities to teach and assess K12 students in an authentic online setting.
     **Prereq:** EDCI 582 and EDCI 583; and Senior-status in teacher preparation program or Graduate-status in an education-related field

UCC-15-011 & UCC-15-012 College of Natural Resources and the College of Science

**Fish and Wildlife Sciences & Biological Sciences:** It was motioned and seconded to approve the proposed changea to Fish and Wildlife Sciences and Biological Sciences. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Drop the following course:

   - **Biol 481 Ichthyology (4 cr)**
     Anatomy, taxonomy, physiology, genetics, and zoogeography of fishes. Three lec and one 3-hr lab a wk. (Spring only)
     **Prereq:** Biol 115 and 116

     
     
     Recommended Equivalent Course: Fish 481

2. Add the following course:

   - **Fish 481 Ichthyology (3 cr)**
     Anatomy, taxonomy, physiology, genetics and zoogeography of fishes. Three lectures and one 3-hr lab per week. (Spring only).
     **Prereq:** Biol 115 and Biol 116

     
     
     Recommended Equivalent Course: Biol 481

UCC-15-013 College of Agricultural and Life Sciences

**Agricultural Economics and Rural Sociology:** It was motioned and seconded to approve the proposed change to Agricultural Economics and Rural Sociology. The committee agreed that the language in the proposed change to AgEc 101 should be updated from Freshman to First-Year student to match the University of Idaho’s preferred language. Hearing no further questions the motion to approve the proposed change with modifications to the language passed unanimously.
1. Change the following course:

**AgEc 101 The Business of Agriculture (1 cr)**
This course is intended for first-year students majoring in Agribusiness or Agricultural Economics. An examination of current issues in agriculture and how economic and business principles can be used to analyze issues, and career opportunities in the discipline.

**Animal and Veterinary Science:** It was motioned and seconded to approve the proposed changes to Animal and Veterinary Science. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the following courses:

**AVS 472 Dairy Cattle Management (3 cr)**
Establishing a dairy farm, housing and managing large dairy herds, selection of breeding cattle, and marketing quality milk. One 41-day field trip. Recommended Preparation: AVS 222 or equiv. Cooperative: open to WSU degree-seeking students.
*Prereq: AVS 109*  
*Coreq: AVS 305*

**AVS 474 Beef Cattle Science (3 cr)**
Breeding, feeding, and management; commercial and purebred enterprises; management of beef cattle on ranges, pasture, and in the feedlot. One 1-day field trip. Recommended Preparation: AVS 222 or equiv. Cooperative: open to WSU degree-seeking students.
*Prereq: AVS 109*  
*Coreq: AVS 305*

The next UCC meeting will be September 22nd, 2014. This meeting was adjourned at 4:23pm.

Charles Tibbals, UCC Secretary