

Items Approved

11-49, CER 5983, Sustainability Practicum, New Course Proposal

11-50, CER 5953, Sustainable Energy Research, New Course Proposal

11-51, BIO 5333, Bioenergy and Bioresources, New Course Proposal

11-52, PHY 5233, Energy and the Environment, New Course Proposal

11-53, CHM 5007, Energy Chemistry, New Course Proposal

Items Pending

11-48, MS in Sustainable Energy, New Program Proposal

11-54, Proposal to Participate in the MAGS Teaching Assistant Awards Program

**Council on Graduate Studies
Minutes**

January 17, 2012

The January 17, 2012 meeting of the Council on Graduate Studies was held at 2:00 p.m. in 3108 Blair Hall.

Members Present: Dr. Nora Pat Small, Dr. Rendong Bai, Dr. Carrie Dale, Dr. John Willems, Dr. Wesley Allan, Dr. Assege HaileMariam, Dr. Newton Key, and Dr. Brent Walker

Members Absent: Dr. Andrew McNitt, Ms. Sanja Trtanj

Staff Present: Ms. Lori Henderson, Mr. Bill Elliott, Ms. Patti Bailey, Dr. Mary Herrington-Perry, Dean Robert Augustine

Guests: Dr. Peter Liu, Dr. Steve Daniels, Dr. Deb Woodley, Dr. Mark McGuire, Dr. Bob Chesnut, Dr. Gopal Periyannan, Dr. Tom Canam, Dr. Dan Sheeran, Dr. David Raybin

I. Approval of the December 13, 2011 CGS Meeting Minutes.

Assege HaileMariam motioned to approve, Wesley Allan seconded. The minutes were approved as written.

II. Communications:

a. College Curriculum Committee Minutes:

1. December 9, 2011, College of Sciences Curriculum Committee minutes.

b. Approved Executive Actions

1. EA-CAH-11-19, Memo from Assistant Dean Patty Poulter requesting deletion of courses no longer offered, (graduate courses are highlighted in the memo)
2. EA-COS-11-20, Memo from Interim Dean Godson Obia requesting the addition of BIO 5052 to the original list of corrected courses to satisfy the new federal regulations for repeated courses.

c. Reviewed Executive Actions

III. Items Added to the Agenda (Today):

Nora Pat Small motioned to add this item to the agenda, Wesley Allan seconded, council was unanimous in adding this item to the agenda.

1. 12-01, Add CESL from SIU-C to list of acceptable ways to meet the English language mastery

requirements for international student admissions

IV. Items Acted Upon

1. 11-48, MS in Sustainable Energy, New Program Proposal

Peter Liu presented the proposal and answered questions of the council.

Council requested that the item be tabled until the proposed program includes a process for evaluating student knowledge. This item will stay on the agenda for the next meeting.

2. 11-49, CERE 5983, Sustainability Practicum, New Course Proposal

Peter Liu presented, council voted unanimously to approve with the addition of “demonstrate an understanding of” inserted at the beginning of the sentences in Part II, section b

(0-3-3) Students are engaged in job shadowing of various positions at the Renewable Energy Center and Sustainability Projects at the university, or at an approved facility of energy production and/or research. Prerequisite: Admission to the Master of Science in Sustainable Energy degree program.

3. 11-50, CERE 5953, Sustainable Energy Research, New Course Proposal

Peter Liu presented, council voted unanimously to approve with the addition of “Prerequisite or Corequisite: TEC 5143 or any other comparable course from the other 10 participating programs”

(0-3-3) Students are engaged in research of energy and sustainability under the guidance of a graduate faculty. (May be repeated. However, only three (3) hours will be applied toward the requirement of the degree.) Prerequisite: Admission to the Master of Science in Sustainable Energy degree program.

4. 11-51, BIO 5333, Bioenergy and Bioresources, New Course Proposal

Tom Canam presented, council voted to approve with seven ‘yes’ and one abstention.

(2-2-3) This course explores the components and properties of algae and plants that make them useful for bioenergy applications. Sustainable production of crops and species is discussed, along with the environmental impact of their growth, harvest and utilization. Prerequisite: Admission to an MS in the College of Sciences or admission to the MS in Sustainable Energy.

5. 11-52, PHY 5233, Energy and the Environment, New Course Proposal

Steve Daniels presented, council voted unanimously to approve

(3-0-3) This course will delve into various forms of energy production for the modern world with emphasis given to the physical principles involved. The environmental consequences of energy use in its various forms will be studied. Renewable sources of energy will be considered as well as fossil fuels and nuclear fuels. Prerequisite: Admission to the Multidisciplinary MS in Sustainable Energy Graduate Program or permission of Physics Department Chair

6. 11-53, CHM 5007, Energy Chemistry, New Course Proposal

Mark McGuire presented, council voted to approve with seven ‘yes’ and one abstention.

(3-0-3) This course reviews the thermochemistry of traditional hydrocarbon fuels including petroleum, natural gas, and coal, the chemical reactions and materials involved in battery technology, solar energy conversion using organic photovoltaics, and energy related biomolecules and their metabolic and biochemical transformation into fuel-grade molecules. Students will gain a general understanding of chemical bonding and energy stored in chemical bonds as well as energy-related biomolecules and their catabolism. In addition, students will gain comprehensive knowledge of microbial and biochemical bioprocesses. Prerequisites: Admission to the Master of Science in Sustainable Energy degree program or permission of Chemistry Department Chair. Recommended courses include college algebra, general chemistry, and one semester of organic chemistry.

7. 11-54, Proposal to Participate in the MAGS Teaching Assistant Awards Program
This item was not addressed due to a lack of time- it will remain on the agenda

V. Committee Reports:

Textbook Advisory- John Willems, no meeting

Library Advisory- Newton Key, no meeting

Academic Technology (ATAC)- Rendong Bai reported 4 LRM's were selected for review and he will send details of how to see the on campus demonstrations to council members

Enrollment Management- Dean Augustine, no meeting

Honorary Degree- John Willems reported in Andy McNitt's absence- nominations due first of February

GSAC- Bill Elliott, Carrie Dale- no meetings

Council on Assessment of Student Learning- Nora Pat Small- no meeting

Enrollment Quality and Diversity Board- Assege HaileMariam, no report

Team Grants Council- Wesley Allan, haven't met

VII. Other Items

David Raybin attended the faculty senate meeting today on the Council's behalf to participate in the discussion on the Final Report of the Committee to Study Shared Governance at EIU and President Perry's Action on the Final Report. He reported that not much discussion ensued due to the failure to invite anyone from the Shared governance committee. Council asked that he attend again at the next meeting on their behalf. He requested that Council members send him any specific questions or concerns they may have regarding the report.

VIII. Dean's Report:

Out of time.

The meeting adjourned at 4:15 p.m.

—Minutes prepared by Lori Henderson, Staff

The current agenda and all CGS minutes are available on the Web at <http://www.eiu.edu/~eiucgs>