UNIVERSITY CURRICULUM COMMITTEE
Minutes #12 approved *(2007-2008 Undergraduate Catalog)*
January 31, 2007

Members Present: Bassoppo-Moyo, Buckley, Califf, Clairardin, Cook, Craig, Kaesberg, Kahl, Larsen, Lessoff, Palmer, Petro, Rosenthal, Semonis, Stier, A. Trefzger, J. Trefzger, Van der Hoven
Members Absent: Ganeva
Guests Present: Jeffrey Wood, College of Applied Science and Technology; Randy Winter, Patrick O'Rourke, Agriculture; Rick Boser, David Kennell, Technology; David Loomis, Economics

1. Califf convened the meeting at 3:05 p.m.

2. APPROVAL OF MINUTES: #10 November 29, 2006 and #11 December 6, 2006.

Minutes #10, November 29, 2006 were unanimously approved (with minor grammatical corrections) by a motion from Cook, seconded by Van der Hoven.

Minutes #11, December 6, 2006 were unanimously approved (with minor grammatical corrections) by a motion from Clairardin, seconded by Buckley.

3. PROPOSAL ACTION:

TEC   MAJOR IN RENEWABLE ENERGY (New)   J. Trefzger/Van der Hoven

Larsen moved to suspend the "discussion one week – action the next" rule to take action on the proposals today and the committee unanimously agreed. J. Trefzger moved to approve the new program, Van der Hoven seconded and the committee voted unanimously to approve the new Major in Renewable Energy. Ryburn will request an electronic copy of the proposal and financial form for forwarding to the Academic Senate for their review and approval and she will draft an executive summary memo to the Academic Senate for Califf to sign. NOTE: New programs also need higher approval from the Board of Trustees and IBHE before being added to the catalog. Catalog copy follows:

(2008-2010 Catalog)
TEC

Renewable Energy Program

Degree Offered: B.S.

MAJOR IN RENEWABLE ENERGY

The Major in Renewable Energy is administered by the Department of Technology. Students will be admitted to the program from a pool of applicants on the basis of individual qualifications on a competitive and selective basis. The number of students admitted to the major may vary from year to year depending on program capacity and qualifications of the applicants.

The Major in Renewable Energy prepares students for careers in renewable energy and related industries, including wind energy, solar power, and biofuels. The program provides the opportunity to specialize in technical aspects of the industry or in economics and public policy aspects of the industry.

Technical Sequence:

- **66 hours required.**
- **51 hours in required core courses: AGR 225; ECO 105, 138*, 236, 239; GEO 211*; HSC 156*; MAT 120*; PHY 105*, 207*; PSY 131*; TEC 111, 160, 270, 320, 360.**
- **15 hours in required courses for the Technical Sequence: HSC 271 or 385; TEC 240, 263, 292, 345.**

Economics and Public Policy Sequence:

–   **66 hours required.**
–   **51 hours in required core courses: AGR 225; ECO 105, 138*, 236, 239; GEO 211*; HSC 156*; MAT 120*; PHY 105*, 207*; PSY 131*; TEC 111, 160, 270, 320, 360.**
–   **15 hours in required courses for the Economics and Public Policy Sequence: AGR 203*; ECO 255, 335; GEO 205; POL 232.**

* NOTE: AGR 203, ECO 138, GEO 211, HSC 156, MAT 120, PHY 105, 207, and PSY 131 are General Education courses.

Allowable substitutions for required courses:

-   **Allowable substitution for ECO 138 is MQM 100.**
-   **Allowable substitution for MAT 120 is MAT 121 or 144 or 145.**
-   **Allowable substitution for PHY 105 is PHY 108 or 110.**
-   **Allowable substitution for TEC 270 is MQM 220.**

TEC   INDUSTRIAL COMPUTER SYSTEMS SEQUENCE (Revision)   Buckley/Craig

Larsen moved to suspend the "discussion one week – action the next" rule to take action on the proposals today and the committee unanimously agreed. Buckley moved to approve the proposal, Craig seconded and the committee voted unanimously to approve the revision of the Industrial Computer Systems Sequence. Catalog copy follows: (Note: These changes will be in the 2007-2008 catalog.)

TEC

MAJOR IN INDUSTRIAL TECHNOLOGY

Industrial Computer Systems Sequence:

   Industrial Computer Systems is an interdisciplinary curriculum that provides a background in computer technology, software, programming, information imaging, and other industry-related technologies. The goal of the sequence is to prepare professionals for the management and supervision of technical computer systems in industrial settings. Course work emphasizes the use of computer systems to provide students with a diverse technical and professional background in communications, networking, interfacing, and electronic principles related to industrial computer systems.

—   **81 hours required.**
—   **17 hours in General Education: MQM 100; PSY/SOC 131; CHE 102; MAT 120; PHY 105.**
—   **16 hours in Industrial Technology core: TEC 100, 270, 313, 330; ITK 155.02; HSC 385.**
—   **36 hours of required sequence courses: ITK 168; MAT 108; TEC 143, 151, 243, 244, 245, 283, 284, 319, 383, and 390.**
—   **12 hours of additional courses selected from the following: ITK 254; TEC 116, 150, 211, 216, 240, 250, 263, 317, 318, 320, 345, 348, 352, 370, 398 (3 hours).**

4.   **PROPOSAL DISCUSSION:**

TEC   MAJOR IN RENEWABLE ENERGY (New)   J. Trefzger/Van der Hoven

Jeff Wood, College of Applied Science and Technology; Rick Boser, Technology; Patrick O'Rourke and Randy Winter, Agriculture; and David Loomis, Economics were present to answer questions. Van der Hoven and J. Trefzger jointly reviewed the proposal to add the new Major in Renewable Energy. J. Trefzger distributed a handout and presented a summary of the proposal.

- The Departments of Agriculture, Economics, and Technology (who will administer) created a new Major in Renewable Energy with two new sequences: one emphasizing technical issues, one emphasizing economics/policy issues.
- Four new courses were created; the program draws otherwise from existing courses on campus.
- They are requesting exemption from the Outer Core – Social Sciences category (must go to CGE for approval).
- 50-60 majors are expected by 2011.
- Their justification is that there will be a need for new workers as the alternative energy sector of the economy grows.
- A $990,000 grant from the U.S. Department of Energy has supported the effort to create this new program, and an outside advisory committee has provided input on the content.
- The anticipated impact is the need for a new-tenure track faculty position in the Department of Technology. Milner has pledged support with expenditures of up to $5,000 towards new materials.
- Letters of support were provided by all affected departments and also by several outside advisory members.
- J. Trefzger said that this is the first new program with substantial elements that UCC has reviewed since the Academic Senate asked the UCC to look more closely at proposals, especially the financial implications.
- Van der Hoven asked if the new program would really only require one new faculty member as noted on the financial impact form. He said that it was not apparent in the paperwork provided that there will be enough resources in the Department of Technology since they are going to administer the program.
- The overall budget on the financial grid shows that the grant support ends in 2010. Van der Hoven asked if they will be reallocating some of their budget for the program and increasing their budget.
- Jeff Wood thanked the committee for the thorough review and questions. He said that the proposal had gone through two colleges (CAST and CAS) because it originally was proposed as an interdisciplinary program by Agriculture, Technology and Economics. He said that as far as they can tell, "one new faculty position will be enough." He is quite sure that "resources will follow" and that the "new position will be one of the College's top priorities." The College of Applied Science and Technology "remains committed to seeking more resources if it comes to that."
- Winter said that this program is the first of its kind in the nation and is an opportunity to be way out in front of a national trend. He anticipates that this will be a high interest program. They plan to set a cap of 60 majors in the program which will decrease the worry about growing too fast for resources.
- Loomis said that at the 60 student cap, they will be comfortable with one new faculty. When the enrollment increases to 90 – 120 students, then they will need more resources.
- Boser said that there will be quite a bit of overlap (courses) with what they already teach. Someone already in the Technology department will teach a section of one of the new courses.

Larsen moved to suspend the "discussion one week – action the next" rule to take action on the proposals today and the committee unanimously agreed. (See "Proposal Action" above.)

TEC   INDUSTRIAL COMPUTER SYSTEMS SEQUENCE (Revision)   Buckley/Craig

Rick Boser and David Kennell from Technology were present to answer any questions. Buckley and Craig jointly reviewed the proposal. Buckley said that this is a very straightforward proposal to replace one core course HSC 271 with HSC 385. Technology provided an email of concurrence from Health Sciences.

With no further discussion Larsen moved to suspend the "discussion one week – action the next" rule to take action on the proposals today and the committee unanimously agreed. (See "Proposal Action" above.)

5. **LIAISON REPORTS:**

   a. **Council on General Education – Morenus:** Nothing new to report.
   b. **Council for Teacher Education – Palmer:** Nothing new to report.
   c. **Academic Affairs Committee – J. Trefzger:** Reported that there was a meeting on the plus/minus grading issue. Paul Borg will be reviewing the input that was received to find out how people feel about it.

6. **STAFF REPORT:**

    a. UCC Proposal Deadlines for 2008-2010 Undergraduate Catalog. The committee was reminded of the new
        deadlines for the next catalog:

    PROPOSAL DEADLINES FOR THE 2008-2010 UNDERGRADUATE CATALOG

    All proposals for new, revised, and deleted undergraduate programs and 100, 200, and 300-level courses
    must be received by the University Curriculum Committee by the following dates. College curriculum
    committees will need to complete review and action before these established deadlines. Course and program
    proposals that impact Teacher Education curriculum must be reviewed by CTE prior to these dates. For
    inclusion in the 2008-2010 catalog (**except as noted) proposals need to be forwarded to the University
    Curriculum Committee by the following deadlines:

New/Deleted Minors and Sequences	September 15, 2007
New/Deleted 100, 200, or 300-level Course Proposals	October 1, 2007
Revised Program Proposals (Major, Minor, Sequences)	October 1, 2007
Revised 100, 200, or 300-level Course Proposals	October 30, 2007
Any changes to catalog requested and approved through editorial review	November 30, 2007
New/Deleted Degree Program Proposals (Major) **2010-2012 catalog	January 31, 2008

    b. Jess Ray, Registrar, said that IAI has asked universities to establish an institutional review process for IAI
        courses. He thought that the UCC may be asked to participate in that review process at ISU.

7. **MISCELLANEOUS:**

    Subcommittee to Review University Curriculum Committee Procedures and Forms:

    Califf reminded the committee that earlier in the year she suggested that during the spring semester when there is
    less work, a subcommittee would be formed to look at the UCC proposal instructions and forms. There are two
    topics that will be looked at: revising the forms and going to an electronic process. Califf asked for volunteers to
    serve on the subcommittee. J. Trefzger, Califf, Cook, and Ray volunteered. Ryburn was asked to sit in on the
    meetings. Ryburn will send an email to the College Curriculum Committees to invite participation on the
    subcommittee. The first subcommittee meeting will be held February 28 in Moulton 102C.

8. **INFORMATION:** The University Curriculum Committee Executive Secretary approved the following:

    New Courses:

    (2008-2010 Catalog)

    TEC

    160   INTRODUCTION TO RENEWABLE ENERGY   3
    Lecture and lab. Materials charge optional.
    **An exploration of the technologies of renewable energy, emphasizing physical principles and practical
    applications of wind, solar, and biomass.**

    360   RENEWABLE ENERGY CAPSTONE   3
    TEC 345 or ECO 335 or conc reg and 45 hrs in major req. Maj/min only or cons dept advisor req.
    **A synthesis of the skills and knowledge acquired in the RE major coursework with final project in
    economic/technology track.**

Revised Courses:

(2007-2008 Catalog)

WGS

      (title, description)
391   WOMEN'S AND GENDER STUDIES SEMINAR   1-3
      6 hrs of Women's Studies and cons Dir of Women's and Gender Studies req. May be repeated; max 6 hrs.
A critical examination of selected topics in women's and gender studies.

Temporary Course:

(2007-2008)

MAT

389.60   INTRODUCTION TO TOPOLOGY AND DIFFERENTIAL GEOMETRY   3
      MAT 236 or 337 or 340, or cons inst req.
An introduction to topology, including graphs, knots, links and surfaces, and the differential geometry of surfaces.

Decimalized Courses:

(2007-2008)

IDS

102.76   PRESIDENTIAL SCHOLARS COLLOQUIUM: TEXT AND THE CITY: HANDS-ON LEARNING IN THE COMMUNITY   1
The exploration of the community and community elements of Bloomington/Normal including, but not limited to, politics, economics, history, and the arts.

ITK

368.08   TOPICS IN INFORMATION SYSTEMS: INTRODUCTION TO ENTERPRISE SYSTEMS COMPUTING   3
      C or better in ITK 225, 254, or 325 req.

374.08   TOPICS IN TELECOMMUNICATIONS: INTRODUCTION TO ENTERPRISE SYSTEMS COMPUTING   3
      C or better in ITK 225, 254, or 325 req.

385.08   TOPICS IN COMPUTER SCIENCE: INTRODUCTION TO ENTERPRISE SYSTEMS COMPUTING   3
      C or better in ITK 225, 254, or 325 req.

385.09   TOPICS IN COMPUTER SICENCE: ADVANCED PROBLEM SOLVING AND TEAM WORK   3
      C or better in ITK 279 or conc reg req.

MUS

393.21   CURRENT ISSUES IN MUSIC EDUCATION   1-3

MUS

393.25   READING BAND/CONDUCTING WORKSHOP   1

393.26   CLINIC ON IMPROVISATION/COMPOSITION   1

Editorial Changes:

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WGS
　　　(title)
390   INTERDISCIPLINARY RESEARCH IN WOMEN AND GENDER STUDIES

　　　(title)
398   PROFESSIONAL PRACTICE INTERNSHIP IN WOMEN'S AND GENDER STUDIES

9.   ADJOURNED: The meeting adjourned by a motion from Kaesberg, seconded by A. Trefzger. The next meeting will be announced when needed.