Academic Council Minutes
January 18, 2012

The Academic Council met Wednesday, January 18, 2012, in the Dillard College of Business Administration, Room 189. Voting members in attendance were:

Dr. Matthew Capps, Dean, West College of Education
Dr. Rodney Cate, Interim Dean, College of Science and Mathematics
Dr. Ron Fischli, Dean, Lamar D. Fain College of Fine Arts
Dr. Patti Hamilton, Interim Dean, College of Health Sciences and Human Services
Dr. Jane Owen, Interim Dean, Graduate School
Dr. Kathleen Roberts, Faculty Senate Vice President
Dr. Chris Shao, Chair of Management and Marketing, substituting for Dr. Barb Nemecek, Dean, Dillard College of Business Administration
Dr. Sam Watson, Dean, Prothro-Yeager College of Humanities and Social Sciences

Absent was Ms. Holly Allsup, Student Government Association Vice-President

Other attendees:
Ms. Naoma Clark, Director, Academic Success Center
Ms. Darla Inglish, Registrar
Dr. Clara Latham, University Librarian
Ms. Barb Merkle, Director of Admissions
Mr. Matthew Park, Staff Senate Representative
Dr. Michael Vandehey, Chair, Honors Program Chair
Ms. Jamie Wilson, Associate Registrar

Dr. Alisa White, Provost and Vice President for Academic Affairs, presided and the meeting began at 2:00 p.m.

Approval of Minutes
Dr. White called for a motion to approve the minutes of the December 2011 Academic Council meeting. Dr. Roberts made a motion that the minutes be adopted; Dr. Owen seconded. Attention was brought to a few typographic errors and missing names of those in attendance on the Minutes. Dr. Roberts made a motion that the minutes be adopted with the corrections made; Dr. Owen seconded, and the motion was adopted. (closed)

Old Business
Dr. White reported back on questions that were raised at the December 2011 Academic Council regarding MSU faculty co-authorized textbooks in the Radiology Program. Ms. Schulte contacted Ms. Jenny Denning (JD), MSU Bookstore Manager, Barnes and Noble, and Ms. Kathy Pennartz (KP), Director of MSU Financial Aid. Listed below are the questions and their responses.

1. Dr. Roberts, Nursing, stated that their students have said that they can only buy course books at Barnes and Noble (BN), not at Amazon. JD: There are a few items such as course packs, the assessment bag and the bag of supplies for their med-surg clinical that cannot be found on the internet. If the faculty member requires a textbook package, the student can buy from BN, go to the publisher’s website or order from wherever.
2. Another person remarked that students have stated that if they are on scholarship and/or financial aid that they also could only buy books at BN. KP: Financial aid posts funds awarded to a
student’s account. Those funds first pay off tuition/fees and any refund is given to the student. The student can use that refund to buy books wherever he/she wishes.

3. If a student received a MSU book voucher, they can only purchase their books at BN. KP: True – the MSU Book Voucher is good only at BN.

4. What is the markup at BN for course books? JD: Per our contract, markup can be no higher than the publisher’s list price or 25% on net priced books. Used books are 25% less than the new books. Course packs and textbooks purchased from publishers with restrictive, non-returnable text policies have a 30% margin.

New Business
1. Dr. Capps made a motion to adopt the following undergraduate course change in Special Education; Dr. Cate seconded and the motion was adopted (closed).

SPECIAL EDUCATION, effective Spring 2012
Change of course prerequisite:
SPED 3613. Exceptional Individuals
Remove co-requisite of concurrent enrollment in EDUC 3153

2. Dr. Cate made a motion to adopt the following undergraduate catalog changes in Mechanical Engineering; Dr. Capps seconded and the motion was adopted (closed).

MECHANICAL ENGINEERING, effective Spring 2012
Catalog changes under Additional Academic Course Work (31 semester hours):
PHIL 2033
ENGL 3203
PHYS 1624 and 2644
CHEM 1141 and 1143
MATH 1734, 2534 and 3433
Two semester hours to be selected from Exercise Physiology activities courses or Visual and Performing Arts as shown on page 92.

Mechanical Engineering Major Course Work (75 semester hours):

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td><strong>MECHANICAL ENGINEERING PLANNING SHEET</strong></td>
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<tr>
<td><strong>Freshman Year</strong></td>
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<tr>
<td>PHYS 1624</td>
<td>Mechanics &amp; Wave Motion &amp; Heat 4</td>
<td>PHYS 2644</td>
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<tr>
<td>MATH 1634</td>
<td>Calculus I 4</td>
<td>MATH 1734</td>
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<tr>
<td>MENG 1101</td>
<td>Introduction to Engineering 1</td>
<td>MENG 1202</td>
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<td>MENG 1133</td>
<td>Engineering Graphics 3</td>
<td>ENGL 1123</td>
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<td>ENGL 1113</td>
<td>Rhetoric &amp; Composition 3</td>
<td>CORE (suggested: Kinesiology activity course) 1</td>
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<tr>
<td><strong>Sophomore Year</strong></td>
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<tr>
<td>CHEM 1143</td>
<td>General Chemistry 3</td>
<td>MATH 3433</td>
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<tr>
<td>CHEM 1141</td>
<td>General Chemistry Lab 1</td>
<td>MENG 2203</td>
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<tr>
<td>MATH 2534</td>
<td>Calculus III 4</td>
<td>MENG 2204</td>
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<tr>
<td>MENG 2104</td>
<td>Electric Circuits 4</td>
<td>MENG 2213</td>
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<td>MENG 2113</td>
<td>Statics 3</td>
<td>MENG 2223</td>
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<tr>
<td>MENG 2133</td>
<td>Engineering Economics 3</td>
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### Junior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MENG 3104</td>
<td>Fluid Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>MENG 3114</td>
<td>Materials Science</td>
<td>4</td>
</tr>
<tr>
<td>MENG 3123</td>
<td>Measurements &amp; Instrumentations</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3203</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>CORE</td>
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<td>3</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MENG 4122</td>
<td>Machine Control Programming</td>
<td>2</td>
</tr>
<tr>
<td>MENG 4123</td>
<td>Mathematical Methods for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>MENG 4134</td>
<td>Dynamics of Machines</td>
<td>4</td>
</tr>
<tr>
<td>MENG 4143</td>
<td>Senior Design I</td>
<td>3</td>
</tr>
<tr>
<td>CORE</td>
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</tbody>
</table>

**TOTAL HOURS:** **131**

CORE: refers to the MSU Special Core that MENG students are required to take to broaden their education and that are indirectly indicated above. These are as follows:
- Political Science 1333 and 1433
- History 1133 and 1233
- Speech Communication 1133 or 1233
- Philosophy 2033 Ethics (a special MENG requirement)
- Two semester hours to be selected from Exercise Physiology activities courses or Visual and Performing Arts

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3. Dr. Cate made a motion to adopt the following undergraduate catalog changes in Mechanical Engineering: *Dr. Capps seconded and discussion ensued.* Dr. White reported that this is not an approved major at this time. Paperwork requesting preliminary authority to request the Bachelor of Science in Interdisciplinary Engineering major has been submitted to the Texas Higher Education Coordinating Board CB). Once the preliminary authority request has been approved by the CB, the process will begin to request approval for the new major through Academic Council, the Board of Regents, and then the CB. *Dr. Cate recommended this item be tabled until the proper approval has been obtained.* (open)

**INTERDISCIPLINARY ENGINEERING**

Catalog changes under Additional Academic Course Work (**31 semester hours**):
- PHIL 2033
- ENGL 3203
- PHYS 1624 and 2644
- CHEM 1141 and 1143
- MATH 1734, 2534 and 3433
- Two semester hours to be selected from Exercise Physiology activities courses or Visual and Performing Arts as shown on page 92.

**INTERDISCIPLINARY ENGINEERING (IEGR) PLANNING SHEET**

<table>
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<td>PHYS 1624</td>
<td>Mechanics &amp; WaveMotion &amp; Heat</td>
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</table>

**REVISED MAY 2010**
MATH 1634 Calculus I 4  MATH 1734 Calculus II 4
MENG 1101 Introduction to Engineering 1  MENG 1202 Solid Modeling 2
MENG 1133 Engineering Graphics 3  ENGL 1123 Rhetoric & Composition 3
ENGL 1113 Rhetoric & Composition 3  CORE (suggested: Kinesiology activity course) 1
CORE (suggested: Kinesiology activity course) 1

Sophomore Year
CHEM 1143 General Chemistry 3  MATH 3433 Differential Equations 3
CHEM 1141 General Chemistry Lab 1  MENG 2203 Thermodynamics 3
MATH 2534 Calculus III 4  MENG 2204 Electronics 4
MENG 2104 Electric Circuits 4  MENG 2213 Dynamics 3
MENG 2113 Statics 3  MENG 2223 Mechanics of Solids 3
MENG 2133 Engineering Economics 3

Junior Year
I EGR 3114 Applied Materials Sc. and Proc. 4  STAT 3224 Statistical Quality Control 4
I EGR 3123 Metrology 3  I EGR 3204 Thermo-Fluid Systems 4
I EGR 3131 Machining/Welding Practicum 1  I EGR 3214 Production/Planning and Control 4
ENGL 3203 Technical Writing 3  I EGR 3244 Computational Tools in Engineering 4
CORE 3
CORE 3

Senior Year
I EGR 4103 Applied Mathematics 3  I EGR 4212 Renewable Energy Systems 2
I EGR 4114 Fluid Power Systems 4  I EGR 4213 Applied Control Theory 3
I EGR 4132 Senior Capstone Project I 2  I EGR 4242 Senior Capstone Project II 2
I EGR 4133 Machine Design 3  I EGR 4243 Automation Systems 3
CORE 3
CORE 3

TOTAL HOURS: 131

CORE: refers to the MSU Special Core that MENG and I EGR students are required to take to broaden their education and that are indirectly indicated above. These are as follows:

- Political Science 1333 and 1433
- History 1133 and 1233
- Speech Communication 1133 or 1233
- Philosophy 2033 Ethics (a special I EGR requirement)

and 2 semester hours to be selected from Kinesiology activity courses or the Visual and Performing Arts.

4. Dr. Capps made a motion to adopt the following graduate catalog and course changes in Education; Dr. Hamilton seconded and the motion was adopted (closed).

EDUCATION:

EDUCATIONAL LEADERSHIP AND TECHNOLOGY
Jane Owen, Chair
Educational Leadership and Technology Department

EDUCATIONAL LEADERSHIP
Program Coordinator, Jane Owen

Mission Statement: The Master of Education degree with a major in Educational Leadership prepares students for school leadership roles. The program provides opportunities for students to learn and apply
knowledge, skills, and dispositions set forth in Educational Leadership Constituent Council (ELCC) standards.

**Program Information:** Students will work in informal cohorts to apply educational leadership knowledge and skills to current school issues, often in actual school settings. Students who complete the educational leadership program are eligible to apply for Texas Principal Certification upon satisfactory completion of the state mandated TExES examination and two years of teaching experience.

All students must meet the admission standards for the University and the West College of Education. The graduate program in Educational Leadership requires 36 semester hours. Master’s degree candidates must complete and orally defend a research paper during EDUC 6753 (Applied Educational Research) OR successfully complete EDLE 5783 (Research, Data Analysis, and Evaluation for School Leaders) the 36 hour course of study as listed as well as the ELCC Capstone Research Project approved and scored by an Educational Leadership faculty member. The ELCC Capstone Research project must reflect an ability to support K-12 student learning and development.

Students who already possess a master’s degree may enroll in a non-degree program leading to principal or superintendent certification. Students pursuing principal certification will be directed by a program advisor to enroll in required educational leadership courses not already taken in their master’s degree work. Research courses (6 hours) and a file paper are not required; Internship is required. Non-degree seeking candidates must complete the ELCC Capstone Research Project approved and scored by an Educational Leadership faculty member. The ELCC Capstone Research project must reflect an ability to support K-12 student learning and development. The superintendent certification program is an 18-hour, year-long course of study to prepare students to take the state superintendent certification exam. Candidates must have two years of principalship experience and a superintendent willing to mentor them.

A probationary principalship certificate is available upon completion of the 15 hours of core courses and a documented job offer. Candidates for this certificate must meet legal requirements. The certificate is valid one year at a time for up to 3 years. Students must enroll in EDLE 5793 to participate in a probationary internship the first year and EDLE 5791 for each additional year.

Upon completion of the five core courses and before the Internship course (EDLE 5693), candidates are required to take the Educational Leadership Constituents Council Assessment of Content Knowledge. This exam is an assessment of candidates’ current mastery of standards covered in the five core courses. This exam provides feedback to students on their current progress and to faculty for course development.

The core courses are:
- EDLE 5593 Leadership and Communication Processes
- EDLE 5603 Introduction to Leadership
- EDLE 5623 School Law and Personnel
- EDLE 5643 School Business Management
- EDLE 5673 Leadership in School Change

Additional courses are:
- EDLE 5583 Curricular Supervision for School Leaders
- EDLE 5653 Building School Communities for Diverse Learners
- EDLE 5663 Community Politics and Public Relations
- EDLE 5683 Instructional Improvement and Staff Development (was 5686)
- EDLE 5693 Graduate Internship in Educational Leadership (Offered fall and spring only)
- EDUC 5053 Introduction to Educational Research
EDUC 6753 Applied Research or EDLE 5783 Research Data Analysis and Evaluation for School Leaders

EDLE 5793 Probationary Internship *
EDUC-EDLE 5791 Probationary Internship II **
*Required for students holding a first year probationary certificate.
**Required continuation of Probationary Internship for students not yet enrolled in EDLE 5693 (Graduate Internship in Educational Leadership). Offered fall and spring only

5. Dr. White reported that there was a drop in enrollment for the spring semester. An ad-hoc task force on retention is being created which will include people from areas under academics, student affairs, enrollment management, and student success. If anyone would like to recommend a faculty or staff member or a student to serve on the committee, or if they have any ideas to share with the committee, that they send the information. (information item; no vote required)

6. Dr. Hamilton announced that her college is working on an Honor Project to promote academic integrity through speakers and events. If you would like to volunteer, please contact her. (information item; no vote required)

Adjournment
There being no other business, the meeting was adjourned at 2:39 p.m.

Respectfully submitted,

Deb Schulte, Assistant to the Provost

Note: the following items were sent to the Academic Council for an electronic vote on January 23, 2012. Both items were approved for adoption by the voting members of the Council. (closed)

1. Proposal for a name change to a department in the West College of Education:

   From: Department of Education and Reading
   To: Department of Curriculum and Learning

2. Proposal to adopt the following undergraduate course change in Mathematics:

   New course Addition
   MATH 2603. Math for Thermodynamics
   Prerequisite: MATH 1734
   Description: Applications of series, linear algebra, complex numbers, vector analysis, multivariate integration, and partial differentiation in the student of Physical Chemistry, thermodynamics and quantum mechanics.
   Course Objectives: designed to prepare students for advanced undergraduate studies in Thermodynamics, Quantum mechanics, and Kinetics. The students will gain experience in the application of various mathematics methods as they apply to the areas of scientific reason and the development of fundamental theory for advanced undergraduate level physics and chemistry courses. Note from the January 2012 Academic Council meeting: initial proposal removed from agenda because course objectives were not identified and question raised about amount of degree hours required – Dr. Cate reports that his course does not affect the math degree and is only taken by students preparing for CHEM 3603. It is to be used for a math minor in place of MATH 2133 for Chemistry majors only.