# Notes from Executive Committee meetings, 2008-2012

# 2011-12

## Student representative to Exective Committee, 11/18/11

c. Student Representative: Approved Nathan Martin – to be invited to all future meetings

## Course changes, 11/18/11

a. Course changes/approvals

i. CEE 132 – approved for update/change

ii. CHE 114 – Justification needs to be adjusted to reflect that transfer students need to be concurrently enrolled in CHE 110A or ENVE 171iii. CS 021 – approved for deletion

iv. CS 049G – approved for deletion

v. CS 049I – approved for deletion

vi. CS 049J – approved for deletion

vii. CS 049N – approved for deletion

viii. CS 049O – approved for deletion

ix. CS 049S – approved for deletion

x. CS 150 – approved for update/change

xi. ME 110 – approved for update/change

xii. ME 180 – approved for update/change

## On-line embedded systems course proposed, 9/16/11

f. Embedded Systems Course Proposal – N. Young was the representative for Computer Science and explained that this proposed course is an on-line course that would complement the current CS Embedded Systems course taught by F. Vahid. The primary difference being that this would be an on-line course. Other UC campuses already have courses set up similar to this process and have reciprocal enrollment procedures in place. The committee would like to further discuss this course at the next meeting and Young will be inquiring from the CS faculty at the Departmental retreat if there will be a mechanism by which the initial offering of this course would have an evaluation process in place as well. Ideally, the evaluation would allow an understanding of the merit of the on-line versus in-class formats.

## Breadth course, 9/16/11

j. Breadth Courses Revisited – Per Ravishankar, there is a need for an ENGR course to satisfy the ethnic studies requirement. He will be preparing a proposal to change the current courses available and detailing the reasoning for the change.

# 2010-11

## Course changes 5/27/11

B. Changes to Courses

i. BIEN 166 – Approved 6-1. New course, contains an elective. Ok to cross-list.

ii. BIEN 197 – Sent back. Request change from S/NC to letter grade may not be solution. Problem may be lack of understanding and oversight by student. A letter grade must have stated criteria (i.e. known agreement between student and professor). The lack of FTE is not a good motivation for a letter grade. In progress statement listed on form is unclear.

iii. CS 161 – Approved.

iv. CS 161L – Approved.

v. CS 172 – Approved. New faculty member coming onboard, will allow subject to be taught.

vi. HNPG 015 – Approved. Honors course approved to be added to catalog but not a requirement for ENGR students. Concern with this course adding new requirements and increasing unit counts. May also preclude ENGR students from honors students.

vii. ME 004 – Approved.

viii. MSE 197 – Sent back. Concerns with letter grade vs. S/NC. Course should be approved by Undergrad Advisor if technical/non-technical elective.

## Program changes 5/27/11

C. Program Changes

i. CEN – removal of CS 160 – Approved.

ii. CS – tech elective CS 172 – Approved

iii. CEN – tech elective CS 172 – Approved

## Course change 4/22/11

i. CHE 175A – approved but request review by Student Affairs Office/Department for Math 10B pre-req – if already noted as a pre-req in other courses that have are pre-reqs for CHE 175A then remove from entry in this course to remove redundancy.

## General education alternative concentrations 4/22/11

D. General Education Alternative Concentrations Proposal

i. New concentration from CHASS – Ecology/Biodiversity

1. Course is reasonable but could not find any ENGR courses to include

2. How does Art Hist. 134 applicable to this?

3. This course is not for ENGR students but for CHASS students

4. Approved by BCOE Executive Committee as alternative for CHASS students and will review at a later point for ENGR students

## Catalog changes 4/7/11

**b. Catalog Changes**

**i. Catalog Entry**



**ii. English Internship**



## Program and course changes 4/7/11

c. Program Changes

i. CS Minor Change – approved

ii. Business Informatics Program Change – approved iii. CS Undergrad Program Change - approved

d. Changes to Courses

i. EE123 – approved in previous session ii. EE 153 – approved in previous session

iii. BIEN 197 – return to department for corrections to entries made

## Course changes 3/4/11

**a. Changes to Courses** i. CEE 125 – to be returned to department so that pre-requisites listed can be discussed and adjusted accordingly.

ii. CHE 105 – approved

iii. CHE110B – approved

iv. CHE120 – approved

v. CHE122 – approved

vi. CHE130 – approved

vii. CHE160C – Return to department to allow concurrent enrollment because they are offered in the same quarter.

viii. CHE175A - approved

ix. CSE006 - approved

x. ENVE130 - approved

xi. ENVE133 - approved

xii. ENVE135 - approved

xiii. ENVE142 - approved

xiv. ENVE146 - approved

## Course changes 1/21/11

B. Changes to Courses

i. ENGR 180W – Per Ravishankar, this was purview of Computer Science but submitted by CEE. The change proposed is removing text “a grade of ‘C’ or better in ENGL. Per committee, course to be returned to department (CEE) and have departments (CEE & CSE) discuss to make sure changes on prerequisites are appropriate and review the impacts this change may have. Ravishankar also recommended adding for prerequisite that student have upper level standing.

ii. ENVE 120 – Committee agreed to approve as is and recommend to Department to drop ENVE 133 at next revision.

## Course changes 1/6/11

**a. Changes to Courses** ii. CEE 135 – primary change was pertaining to prerequisites – committee approved

iii. CHE 114 – primary change was pertaining to prerequisites – committee approved

iv. CHE 116 – primary change was to add a minimum grade req. on prereq. – committee approved

v. CHE 117 – primary change was to drop 130– committee approved

vi. CS 130 – primary change was to delete 141 – committee approved

vii. EE 123 – new Technical Elective – committee approves the course, however, requests that new course proposal reflect that it was submitted by Chairman Lake.

viii. EE 153 – new Technical Elective – committee approves the course, however, requests that new course proposal reflect that it was submitted by Chairman Lake.

ix. ENGR 118 – Needs corrections; once change made, then committee approves

PROPOSED:

CHEM 001A or CHEM 01HA; CS 010 or **0**30; MATH 046; PHYS 040B; or consent of instructor

Justification: The CEE undergraduate committee met and reviewed the overall program of Chemical and Environmental Engineering for ABET. As a part of the meeting, prerequisites were reviewed and this change reflects the needs of students and the department

x. ENGR 180W – This proposal was tabled pending corrections and further discussion.

xi. ENVE 120 – This proposal was tabled pending corrections and further discussion. The discussion questioned the proposed prerequisite list.

xii. ENVE 171 – primary change was title change – committee approved

xiii. ME 002 – Needs correction made; once change made then committee approves

PROPOSED:

MATH 005 or equivalent. Enrollment priority is given to

This course is intended for Mechanical Engineering majors.

xiv. ME 003 – committee approved

xv. ME 004 – committee approved

xvi. ME 009 – committee approved

xvii. ME 010 – Needs correction made; once change made then committee approves

PROPOSED:

MATH 009C, PHYS 040A.

Enrollment priority is given to This course is intended for Mechanical Engineering, Materials Science and Engineering and Environmental

Engineering majors.

xviii. ME 110 Needs correction made; once change made then committee approves

PROPOSED:

CS 030 or ME 018, MATH 046, ME 010 with a grade of "C-" or better., ME 018.

xix. ME 117 – committee approved

xx. ME 138 – committee approved

xxi. ME 174 – committee approved

xxii. ME 175A – committee approved

xxiii. ME 175B – committee approved

## Computer Engineering program change 1/6/11

E. CEN Program Changes – the following changes need to be made:

PRESENT

Major Requirements

1. Lower-division requirements (68 units):

a) ENGR 001G

b) CS 010, CS 012 or CS 013, CS 014, CS 061 c) CS 011/MATH 011

d) EE 001A, EE 01LA, EE001B

e) MATH 008B or MATH 009A, NATG 009B, MATH 009C, MAT~~C~~H 010A, MATH 046

f) PHYS 040A, PHYS 040B, PHYS 040C

g) One course of 4 or more units in Chemistry to be selected in consultation with a faculty advisor.

2. Upper-division requirements (85 units minimum)

a) CS 100, CS 141, CS 161, CS 161L; one course from CS 153 or CS 160

b) CS 120A/EE 120A, CS 120B/EE 120B; one course from CS 122A or EE 128

c) CS 111

d) EE 100A, ~~EE 100B, EE 110A,~~ EE 110B

e) ENGR 180W

f) MATH 113

g) EE 114 or STAT 155

h) Five courses (at least 20 units) as technical electives from the following set of Computer Science and Engineering upper- division courses

CS 100, CS 122A, CS 122B, CS 130, CS 133, CS

150, CS 152, CS 153, CS 160, CS 162, CS 1674, CS 165, CS 166, CS 168, CS 170, CS 177, CS 179 (E-Z), CS 180, CS 181, CS 183, CS 193

EE 105, EE 115, EE 128, EE 132, EE 140, EE 141, EE 144, EE 146, EE 150, EE 151, EE 152, EE

175A, EE 175B

PROPOSED

Major Requirements

1. Lower-division requirements (68 units):

a) ENGR 001G

b) CS 010, CS 012 or CS 013, CS 014, CS 061 c) CS 011/MATH 011

d) EE 001A, EE 01LA, EE001B

e) MATH 008B or MATH 009A, NATG 009B, MATH 009C, MAT~~C~~H 010A, MATH 046

f) PHYS 040A, PHYS 040B, PHYS 040C

g) One course of 4 or more units in an engineering discipline outside the field of computer science to be selected in consultation with a faculty advisor. Either a lower-division or an upper-division course may be used to satisfy this requirement.

2. Upper-division requirements (~~85~~ 77 units minimum)

a) CS 100, CS 141, CS 161, CS 161L; one course from CS 153 or CS 160

b) CS 120A/EE 120A, CS 120B/EE 120B; one course from CS 122A or EE 128

c) CS 111

d) EE 100A or CS 168, EE 110B

e) ENGR 180W

f) MATH 113

g) EE 114 or STAT 155

h) Five courses (at least 20 units) as technical electives from the following set of Electrical Engineering and Computer Science and Engineering upper-division courses

CS 100, CS 122A, CS 122B, CS 130, CS 133, CS

150, CS 152, CS 153, CS 160, CS 162, CS 1674, CS 165, CS 166, CS 168, CS 170, CS 177, CS 179 (E-Z), CS 180, CS 181, CS 183, CS 193

EE 100B, EE 105, EE 110, EE 115, EE 128, EE

132, EE 140, EE 141, EE 144, EE 146, EE 150, EE

151, EE 152, EE 175A, EE 175B

## Engr 60 course change 11/16/10

i. ENGR 60 – CHASS Executive Committee met prior to BCOE Executive Committee and felt that the syllabus was not detailed enough, especially in the group assignment area. Also, they felt that there should be a more detailed explanation of the discussion section. This will need to be addressed and then the courses need to be resubmitted by both BCOE and CHASS.

## EE 180 course description 10/14/2010

**Review of EE180 Legislative Language**

i. Ravishankar and Farrell met prior to meeting and prepared a response to M. Gauvain.

ii. Draft was reviewed by committee and with recommended changes

|  |  |
| --- | --- |
| Current Page 71: English Composition UCR’s sequence is ENGL 001A, ENGL 001B, and either ENGL 001C or ENGL 01SC. [The rest of the passage would remain unchanged.]  | Proposed Page 71: English Composition UCR’s sequence is ENGL 001A, ENGL 001B, and one of ENGL 001C, or ENGL 01SC, or an alternative to English 001C that is approved by the Academic Senate and recommended or required in place of 001C by the student’s major in BCOE.  |

# 2009-10

Not on the intranet site.

# 2008-09

## Improving the course approval process, 5/15/09

Frank Vahid

-The Registrar’s Office is continuing to work hard in order to improve the course approval process. Some changes are that the December course submission deadline will still be kept in place but a few extensions will be offered in January. The Registrar’s Office is also separating administrative issues from Committee on Courses issues. Another improvement is that the Registrar’s Office is working develop better templates, training materials and procedures, etc. for the colleges and departments.

Discussion was raised among some committee members that CRAMS needs to be overhauled and that it might be more effective to stop using CRAMS and go back to a paper process.

-If there are no other nominations from the floor, it looks like Jay Farrell will be the next BCoE faculty chair.

## Changes to the Bioengineering major 5/15/09

A. Changes to Bioengineering Major Requirements

-Since BIEN 155 has been added as an upper-division requirement, it is not necessary to continue to require BCH 102. Topics covered in BIEN 155 are more relevant to the major and consistent with ABET requirements.

The Executive Committee unanimously approved the proposed changes to the Bioengineering major requirements. The proposal will be forwarded to the Committee on Educational Policy for review.

-Discussion was raised that the justification in the program changes need to address how the changes effect the ABET process, enhance student learning, etc. It was also mentioned that the proposed changes should be completed in the correct format for review at the department level.

## Course changes 5/15/09

- Changes to the following courses were approved by the Executive Committee and will be forwarded to the Committee on Courses for review:

BIEN 140A CS 179K

CEE 140A CS 179M

CS 179J CS 179N

## Changes to the ME curriculum 4/10/09

**B. Changes to Mechanical Engineering Major Requirements**

- As discussed at the last meeting, the Mechanical Engineering Department would like to replace the newly approved ME 002 courses with the ME 1A, 1B, 1C series. ME 1C is no longer needed since ME 18 has also been changed from a two to three unit course.

After much discussion, the Mechanical Engineering Department would like to continue to move forward with replacing the ME 1A, 1B, 1C series with ME 2. At the last meeting, there was concern among some of the Executive Committee members that with the deletion of the ME 1 series, students will not have any contact with the department during their first quarter. It was mentioned that the Mechanical Engineering Department faculty will be meeting with students during the first quarter small groups for a two hour mentor session. It was also mentioned that there will be four hours of contact time during the winter and spring quarters which other departments do not have.

It was mentioned that first quarter contact with students is helpful to learn about the major, networks, field of study, and the overall ability for a student to feel like a part of the major, department, and college. However, the Mechanical Engineering Department sees that there is no evidence to confirm that a ten week delay will not have any serious ramifications.

The proposed changes to the Mechanical Engineering major requirements were approved by the BCoE Executive Committee (8 in favor, 1 abstain, 0 opposed). The proposed changes will be forwarded to the Committee on Educational Policy for review.

## Writing across the curriculum 4/10/09

The University Writing Program has finalized the Writing Across the Curriculum proposal. The proposal raised many concerns among BCoE Executive Committee members. One concern was that the University Writing Program will monitor and evaluate English 1C alternative courses for renewal on an annual basis. It was mentioned that service courses should be reviewed by the College. Another concern was that the program stipulates that students should enroll in an English composition course until the sequence is completed with a satisfactory GPA. This is inconsistent with the discipline specific communication. Other concerns were that the proposal was largely created without input from BCoE. What input was provided by BCoE was ignored.

The Writing Across the Curriculum proposal was unanimously denied by the BCoE Executive Committee. The BCoE Executive Committee Chair will draft bullet points of the BCoE Executive Committee’s concerns regarding the proposal to be sent to Academic Senate.

## General Education pilot programs, 4/10/09

The General Education Advisory Committee submitted two pilot concentrations (Climate Change/Sustainability and California) to be offered as options to the current General Education Requirements. The BCoE proposed concentration option will be submitted once the proposed courses listed in the concentration have been approved.

The BCoE Executive Committee was unanimously in favor of the two pilot concentrations (Climate Change/Sustainability and California).

## Changes to Bioengineering major 3/11/09

- The Bioengineering Department has created a new list of technical electives to be included in the Bioengineering major requirements. The new list of technical electives are courses offered by engineering only in order to meet ABET’s numbers. The previous list included non-engineering courses that the majority of the students would take.

Discussion was raised regarding the substantial of overlap between STAT 155 and one of the proposed technical electives, EE 114. There was a motion to approve all the changes in the proposal with the exception of including EE 114 as a technical elective. The Executive Committee voted unanimously in favor. The Bioengineering Department will discuss whether they would like to keep EE 114 as a technical elective. If Bioengineering decides to omit EE 114 as a technical elective, the proposal will be forwarded to the Committee on Educational Policy for review.

## Changes to Computer Engineering and Computer Science majors 3/11/09

It was proposed to add CS 100 as an upper-division requirement for both the Computer Engineering and Computer Science majors.

Discussion was raised regarding whether CS 141 should still be required if CS 100 will be required as well. The proposed changes to will tabled until the faculty can clarify.

## Changes to Computer Science minor, 3/11/09

It was proposed to replace CS 141 with CS 100 in the list of core courses for the Computer Science minor. The Executive Committee voted unanimously in favor of the change. The proposal will be forward to the Committee on Educational Policy for review.

## Changes to the Mechanical Engineering major 3/11/09

Discussion was raised regarding the elimination of the ME 1A/1B/1C series and replacing it with ME 2. Since ME 2 would not be offered until the second quarter, it was suggested that Mechanical Engineering students would not have any contact or exposure to the major, the college and learning communities during their first quarter at UCR. It was explained that the Mechanical Engineering Department is satisfied with the first course being offered in the second quarter since most students felt the ME 1 series was not beneficial and would be a lot happier with ME 2. The Mechanical Engineering Department feels it would be advantageous to go right into the course material in ME 2 rather than stretch it out over three quarters in the ME 1 series.

It was suggested that the Mechanical Engineering Department offer a one unit introduction course during the first quarter, but it was mentioned that there weren’t enough resources to do so.

No action was taken regarding the changes to the mechanical engineering major requirements.

## Course changes 3/11/09

The following course changes were unanimously approved by the Executive Committee and will be forwarded to the Committee on Courses for review:

CS 100, CS 130, CS 133, CS 152, CS 153, CS 160, CS 164, CS 166, CS 170, CS 177, CS 180, CS 181, CS 183.

ME 018, ME 133, and ME 175B were tabled due to lack of time.

## New courses 3/11/09

ME 002 was approved by the Executive Committee (5 in favor, 1 abstain). The course will be forward to the Committee on Courses for review.

ME 003 and ME 176 were tabled due to lack of time.

## Math 9ABC teaching 2/4/09

A list of all Math 9A, 9B, and 9C instructors for the past four years was provided to the committee members. The list identifies that the majority of the instructors are Visiting Assistant Professors. There is no conformity in the teaching of these courses among instructors. The Executive Committee Chair shared this list with the Dean and Divisional Associate Dean of CNAS. The Dean of CNAS mentioned that he would like to take the funding used to hire Visiting Assistant Professors and hire applied Mathematicians to teach the courses instead.

The Executive Committee Chair also met with David Fairris, Vice Provost of Undergraduate Education regarding the foundations of engineering course sequence. David Fairris thought the course sequence was an excellent idea since it would not be taking the FTE away from the Math Department. It is possible for COE faculty to teach the courses, but even if the existing math instructors are used, COE could ensure quality control, consistency in exams, and the integration of calculus and physics, etc. due to the fact that the ownership of these courses belongs to COE.

The committee was asked what they thought about the sequence. It was decided that a small committee should be formed to look into the different philosophies of teaching as well as innovative ways of teaching that will enhance students learning. Associate Dean Chinya Ravishankar will check with members of a previous committee to see if there is any interest in serving on this one.

## Writing across the curriculum, 2/4/09

The University Writing Program is proposing “Writing Across the Curriculum” that includes a 2-unit writing course for each college combined with a current 4-unit course in order to obtain credit for

applied writing to be taken in place of ENGL 1C. The Senate Chair Anthony Norman has asked for the Executive Committee’s review and comments regarding the proposal. It was mentioned that the proposed 2-unit engineering course is not necessary since the college offers ENGR 180. Resources could be given to enhance ENGR 180 rather than to create the new course. The Executive Committee Chair will reply to the Senate Chair informing him of the Executive Committee’s support for the program. The Chair will also inform him that a 2-unit writing course is already in place in the college and that it is the Executive Committee’s recommendation that resources be offered for the existing course rather than for a proposed course. The Chair will also look into why there was no Engineering representation on the “Writing Across the Curriculum” committee.

## New course BIEN 165, 2/4/10

- The proposed new course BIEN 165 “Biomolecular Engineering” was created to be offered as one of the Technical Electives in order to satisfy the ABET requirement. The Executive Committee voted unanimously in favor of the course. The course proposal will be forwarded to the Committee on Courses for review.

## Course approval process 2/4/09

The Executive Committee Chair met with Bracken Daily and LaRae Lundgren. They are of the understanding that the current mechanism used in the course approval process might not be working well. The Chair was informed by Bracken and LaRae that a second deadline in January has been added in addition to the one in December to submit some of the course proposals. They are also trying to develop a cleaner flow from the department and college approvals. There are catalog and committee on courses issues to be considered so it is important to know who to address regarding particular issues. It was mentioned the college needs more support to ensure it is done properly.

It was also mentioned that the Mechanical Engineering Department is still facing difficulties with their courses going through. The Chair recommended the department forward the courses to him so that he can discuss them with Bracken and LaRae.

## Student grades in lower-division courses 1/7/09

 In previous discussion, it has been mentioned that freshman have had low GPA’s. It was pointed out that some of the best students that entered as freshman had a large amount of AP/IB credit that could give them enough units to be considered at a junior class standing.

Student Affairs preformed a group degree audit of Computer Engineering majors to see where the challenges are for freshman. Consistently PHYS 40B and 40C, ENGL 1B and 1C, and MATH 9C were problem courses.

Student Affairs pulled the transcripts for the first year of the top freshman that entered in Fall 2007. It was found to be a pattern that some of the best students received all “A”s and only “B”s in PHYS 40B.

The grades for PHYS 40B and 40C were pulled for the Spring 2008 quarter. In PHYS 40B, out of 147 students (mostly engineering), only two students received an “A.” In PHYS 40C, out of 163 students, 10 received an “A” and 117 students received “C”s. These courses are 5-unit courses and have a large effect on a student’s GPA. The fact that only two “A”s were awarded in PHYS 40B seems to be problematic.

It was mentioned that the student consensus is that PHYS 40C is taught horribly and that EE 1A should be taken first in order to get a better understanding of PHYS 40C course material.

Discussion was raised about coming up with a plan to deal with these issues. Engineering students make up 80% of the course enrollments for math, physics, and chemistry. There seems to be quality control issues with math and grading issues with physics. The issue was raised that in the pre-calculus courses, half the course is being taught by professors and the other half is being taught by TA’s. The math courses are not being ran well and the Math Department is unwilling to listen to concerns.

It was suggested that the idea of an Intro to Engineering and/or Fundamentals of Engineering course sequence be considered in place of taking these courses from the Math and Physics departments. There was some mixed feelings regarding this idea. A point was made that the experts in these fields should be teaching the courses. Instead of trying to fix it, the college would be taking on the burden to teach everything themselves. It was also mentioned that combining math and physics courses may be too difficult for the students but it was also pointed out that these courses would be offered in a sequence rather than taking them at the same time. On the other hand, it was mentioned students would most likely be happier with a Foundations of Engineering course sequence and issues with retention rates might resolve.

The point was made that the difficulties the college would face with the course sequence are finding faculty lines to teach these sequence courses. The other difficulty mentioned was the political battle. It would be necessary to build evidence that the current method of teaching these courses for engineering students is not working.

Another suggestion was made that the sequence courses could be cross-listed with Engineering and the Math and Physics departments. Cross-listed courses would provide Engineering with more leverage when issues occur, yet not become involved in outside department issues.

It was mentioned that the course sequences could be offered on a trial basis. The committee could make the argument to the Vice Provost of Undergraduate Education a need for this course sequence as a means to resolve retention issues. It is important to present the data and express concern. The current freshman program is not working since we are losing two thirds of our freshman. It’s important to make the point that instruction needs to be taught from a different viewpoint.

It was decided that the committee will look into what other universities are doing to integrate freshman courses. The committee will examine what was experienced in creating the integrated courses and how they overcame the obstacles faced at these universities.

## New Course – BIEN 160 11/24/08

BIEN 160 was unanimously approved by the Executive Committee. The course will be forwarded to the Committee on Courses for review.

## Math 9A (calculus) difficulties 10/27/08

- A majority of students have mentioned the difficulty they have had with MATH 9A. The Math Department Chair is protective of its instructors. Math has allocated sections of MATH 9A for engineering only, and has given positive feedback to renaming these courses to “Calculus for Engineers” but these courses cannot be offered until next fall.

Some possibilities mentioned were to have TA’s from engineering. It was also mentioned that there should be uniformity across sections. Someone should overlook the instruction of the courses but math did not agree. They found this to be against academic freedom.

It was discussed that this matter has been difficult to deal with at an administrative level. It was suggested it might be better to let campus handle this, or to have the Executive Committee Chair begin discussions with the Math Department. It was decided that the Executive Committee Chair will meet with the Math Department and if a resolution cannot be met, the possibility of Engineering teaching their own versions will be explored.

## BIEN 115 not approved 10/27/08

BIEN 115 was returned to the department but approved contingent upon the inclusion of statement in the justification that this course is not similar to any other courses currently offered on campus.

## Course changes 10/27/08

BIEN 130 and 130L were returned to the department but approved contingent upon changing the instructor from Matthew Barth to Bahman Anvari.

-Changes to BIEN 155 and BIEN 175A were reviewed and returned to the department for more information at the last meeting. BIEN 155 was returned with the recommendation that PHYS 40C be listed as one of the prerequisites for the course. BIEN 175A was returned with the recommendation that BIEN 135 be listed as one of the prerequisites for the course. The changes were made and the Executive Committee unanimously approved both BIEN 155 and BIEN 175A. The courses will be forward to the Committee on Courses for review.

## Calculus reform 10/1/08

- There are two task force committees (one committee in BCOE and one committee at the campus level) that are examining the reasons as to why students are not succeeding in Math 5, 8A, 8B, 9A, and 9B. Tom Stahovich and Chinya Ravishankar are on the campus task force. The BCOE task force is working with the Math Department to set aside sections for engineering students only. The Vice-Chair of the Math Department who manages the courses has been working with Chinya Ravishankar to meet the needs of BCOE. BCOE has emphasized that it is the primary college that uses math courses.

The BCOE task force also asked the BCOE departments what they find to be the biggest problem areas in these math courses in order to take the information received to the Math Department. There has been low feedback from the departments.

Discussion was raised amongst committee members the possibility of students taking math courses elsewhere. It was also discussed that the college might be able to design their own instrument (like surveys that could be distributed to BCOE students, for example) to determine where the problem lies.

It was explained that all of these issues have also be discussed amongst the campus level task force and that the campus shares the same concerns as the college.

## Course changes 10/1/08

-Changes to BIEN 110, BIEN 125, and BIEN 135 were unanimously approved by the Executive Committee and will be forwarded to the Committee on Courses for review.

-Changes to BIEN 155 and BIEN 175A were returned to the department for more information. BIEN 155 was returned with the recommendation that PHYS 40C be listed as one of the prerequisites for the course. BIEN 175A was returned with the recommendation that BIEN 135 be listed as one of the prerequisites for the course.

-Changes to ME 170A was returned to the department but approved contingent upon clarification of the course description and changing the instructor to Javier Garay.