

College of Engineering
Faculty Meeting Minutes
April 25, 2008

Dean English called the meeting to order.

There were 22 proxies and 26 in attendance.

Course and Curriculum Changes

Dave Fritchen presented the following additions and course changes for **Architecture and Construction Science and Management**.

- New courses:
 - o ARE 310 Introduction to AutoCAD &;
 - o CNS 542 Ethics and Professional Standards
- Course Changes:
 - o ARE 311, CAD in Engineering and Construction pre-req change to CNS 200, 210 was replaced by 200
- Curriculum Revisions:
 - o Architectural Engineering: Dropping ENVD 205 Graphics (2 cr hrs) adding ARE 310 Introduction to AutoCAD (1 cr hr) and 1 credit hr Free Elective. No Change in credit hrs required for degree.
 - o Construction Science & Management: Dropping ENVD 205 Graphics (2 cr hrs) adding ARE 310 Introduction to AutoCAD (1 cr hr) and CNS 542 Ethics & Professional Standards (1 cr hr). No Change in credit hrs required for degree.

Motion to accept the proposed the additions and changes was seconded.

No discussion.

Changes moved.

Rod Howell presented the following changes for **Computer Science and Information Systems**.

Course Changes:

- STAT 325 or STAT 510 was added to pre-req, **CIS 540 Software Engineering Project I & CIS 543 Software Engineering Design Project** to better prepare students for students for this course
- CIS 560 & CIS 562 will now only be taught in the fall semester.
- CIS 625 will be taught in the Spring semester

Motion made and seconded.

No Discussion.

Changes moved.

John Schlup presented the following changes for **Chemical Engineering**.

- Drop CHE 354 Engineering Materials Laboratory because of lack of enrollment numbers.

Motion was made and seconded.

Curriculum Change in footnote statements

Delete: General Microbiology (BIOL 455) may be counted as a 2 credit hour laboratory experience with the remaining 2 credit hours being applied towards chemistry/biochemistry/biology electives. To help prevent possible confusion with how to apply the four credit hours within a students program of study.

Drop: “The pre-requisite for ENGL 415 is satisfied with an A or B in ENGL 100. Otherwise students must take ENGL 200, which may be substituted for 3 credit hours of technical electives.” Comment is unnecessary as it is stated as a prerequisite for ENGL 415.

Delete: Instrumental Methods of Analysis (CHM 566); (3 credit hours) and Instrumental Analysis Laboratory (CHM 567); (1 credit hour) may be substituted for Chemical Analysis (CHM 371). However, prerequisites would require that these courses be taken following Organic Chemistry I (CHM 531). The prerequisites for Instrumental Analysis (CHM 566) has been modified to include Chemical Analysis; thus this option is no longer feasible.

Add: Three (3) credit hours of unrestricted electives are to be selected from courses numbered 100 or higher, excluding courses listed as a prerequisite to a required course.
--Technical electives changed from 9 credit hours to 6, and adding 3 credit hours of unrestricted hours—No change in the total number of hours required to graduate.

Motion carried.

General Engineering Course Changes

Title changes

DEN 330, to Drawing Interpretation,

DEN 431, to Basic Geometric Dimensioning and Tolerancing

DEN 432, to Advanced Geometric Dimensioning and Tolerancing

Number and Title changes

DEN 398 to 310 Project Management For Engineers and Technical Professionals.

Motion to accept changes were seconded, by Rod Howell.

Motion carries.

Don Gruenbacher brought forward the changes in **Electrical and Computer Engineering** department.

Number and prerequisite change:

EECE 510 to 410, dropped Math 222 and Phys 214 as pre-req and added Math 221.

EECE 541 to 441, dropped EECE 531, EECE 510 or Phys 214 and added EECE 210 and EECE 241 as pre-req's.

Changed prerequisite for EECE 525—dropped STAT 510 and EECE 510 and added EECE 410 or EECE 519.

Change in the Curriculum Computer Engineering Program Structure

EECE 441 to first semester of the Sophomore year. Also changing the reorder of the MATH 222 Calc 3 to be taking before MATH 240 Diff Equations-which has been approved by the Math Dept.

Motion to accept these changes.

Rod 2nd and Motion passes.

Brad Kramer brought forward the changes in the **Industrial Engineering** department.

IMSE 201, Introduction of Industrial Engineering,
IMSE 605, Advanced Industrial Management,
IMSE 633, Production Planning and Inventory Control
description change to properly reflect the content of the course.

IMSE 541, Statistical Quality Control, is only taught in the Fall semester.
IMSE 555, Industrial Facilities Layout and Design, is only taught in the Spring semester.

IMSE 563, Manufacturing Processes Engineering,
IMSE 625 Work Environments, is taught in the Fall semester **odd years**.
IMSE 610, Occupational Safety Engineering, is taught in the Fall semester, **even years**.

IMSE 641, Quality Engineering (title change)

IMSE 580, Manufacturing Systems Design and Analysis;

IMSE 591, Senior Design Project I,
pre-req or Conc.: 24 credit hours of IMSE 500 level and above courses.

IMSE 592, Senior Design Project II dropping the Pr. or conc. IMSE 555 and 643.
IMSE 643, Industrial Simulation dropping the Pr. IMSE 560 and adding IMSE 660.
IMSE 662, Computer Aided Manufacturing, dropped Pr. IMSE 250
IMSE 760, Stochastic Calculus Financial Engineering, dropped CIS 209 “or equivalent”
and added “or 200 or ME 400.”
IMSE 805, Management of Research and Engineering. Added “or” MANGT 420 as a
pre-req.
IMSE 806, Engineering Project Management. Added Fall semester “on demand” and “or
MANGT 420” as a pre-req.
IMSE 841, Advanced Topics in Quality Engineering, added CIS 209, or 200 or ME 400
as a pre-req.

IMSE 842, title change to: Reliability Theory and minor description change.
IMSE 850, title change to: Ergonomics (Human Factor) Engineering.

IMSE 822, Advanced Engineering Economy. Added spring semester and “On Sufficient
Demand” made a minor description change and dropped CE 680 “or equivalent” on the
pre-req.

IMSE 890, Applied Methods in Industrial Engineering II, now will be taught in Summer
as well as Spring and Fall.

Dropped: IMSE 820. Intelligent Manufacturing Systems.

Motion made to accept these course changes and motion was seconded.

Motion approved.

Brad also brought forward changes to the Concurrent B.S./M.S.I.E. Degree.

To drop “The student must complete 124 undergraduate credit hours. This will require
taking some hours of unrestricted electives that must be approved by the advisor.”

This is an unnecessary requirement by the program as interpreted in the Regent’s rule is,
“all B.S. degrees to have 124 hours. Concurrent B.S./M.S. programs allow 9 hours of
graduate credits to count toward the undergraduate degree.” We want our students to
have the full benefit of this rule.

Motion was moved and passed.

Meeting was adjourned by 4:50 p.m.