CCGB Agenda  
November 20, 1998  
1. Approval of minutes (2 min)  
2. MEng/Early Admission (20 min)  
3. Minor proposals (38 min)  
   T&AM  
   CEE  
   GEO  
   ORIE Statistics  

CCGB Minutes  
November 13, 1998  


Absent: J. Hopcroft, R. Kay  

Ex-Officio: K. Hover, D. Maloney Hahn  

Others: S. Dennis-Conlon  

Approval of Minutes: Minutes of November 6, 1998 were approved with the following change; Minors resolution: “It was moved and seconded to approve, for faculty review and comment, the ORIE Statistics minor proposal, with the consideration of Electrical Engineering as a sponsoring department.…”  

MINORS: D. Shmoys, ORIE, Operations Research resubmitted two minor proposals for approval from the CCGB to send for faculty review and comment.  
- Industrial Systems and Information Technology  
  The minor program aims to provide a specific application of industrial systems.  
- Operations Research and Management Science  
  The aim is to provide a more fundamental underlining of methodology.  
The re-submitted proposals have been modified so students could not fulfill two minors by taking the suggested course offerings. A notation has been added to the bottom of both proposals stating “any student may receive credit for at most one minor concentration offered by the School of Operations Research and Industrial Engineering.”  

Discussion:  
- All departments in the college own “Management”; similar to the headings of science and math.  
- Two departments could offer a management minor, with different educational aims.  
- The educational aim of minor programs with similar titles should be made clear in the courses of study catalog.  
- The college should produce a booklet of the minors programs.  
- A management minor could be a useful tool for students to use towards a MBA, similar to the ORIE major.  
- It is the student’s responsibility to keep track of satisfactory progress being made towards the completion of their minor program.

• Students can graduate without completing the minor program.
• Approval of the minor program comes from the sponsoring department.

Resolved:
ORIE will amend their proposal to include academic standards of “no course will count with a grade below a C- and a cumulative GPA of 2.0 must be met.” The replacement of all “his/her” with “their” will be made in both ORIE minor proposals. It was moved and seconded to approve, for faculty review and comment, the ORIE Industrial Systems and Information Technology and the Operations Research and Management Science minor proposals with a vote of 9 approved, 0 opposed, 0 abstentions.

P. Kintner, EE, presented a minor proposal in Electrical Engineering aimed at providing students with a background in electrical engineering. Students will take some basic level courses along with some courses at the senior level.

Discussion:
• Requirements of a. and b. may be prerequisites for later courses.

Resolved:
The minor proposal will be amended to omit the sentence after the word REQUIREMENTS. The last sentence will be replaced with “At least six (6) EE courses and a minimum of eighteen (18) credits are required.” It was moved and seconded to approve, for faculty review and comment, the Electrical Engineering minor proposal with a vote of 9 approved, 0 opposed, 0 abstentions.

J. Jenkins, T&AM, presented a minor proposal for Theoretical and Applied Mechanics. The goal is to provide student interested in Theoretical Math a path through the system. A variety of the suggested courses are from other departments. T&AM is happy to take on the administrative duties for the minor program. Petitions for courses other than the suggested offering will be entertained in order to provide students with flexibility.

Discussion:
• More suggested courses could include CS 280, CS 421, ORIE 360/EE310.
• All students take Math 293 and 294 so these courses are already requirements.
• It was suggested to remove one of the Math course requirements or combine them adding one additional course to the suggested course listing.
• Many of the 200 level courses are not normally universally required of all majors in engineering.
• Should minor programs contain non-required courses?

Resolved:
The first line of the proposal will be amended to say “Applied and Engineering Physics” instead of Applied Mathematics. T&AM minor proposal will be the first agenda item next week.

ABET Closeout: K. Hover, Assoc. Dean, thanked everyone for their hard work in the preparation of and during the ABET review. The ABET team left feeling happy with Cornell. The ABET team was impressed with the hospitality and reception to the evaluators. The college would also like to thank and express our appreciation to the departments, both within and outside the college, who were in a supporting role. Everyone pulled together as a team and accomplished what we had set out to do.

The exit meetings consisted of a two-hour session with Prof. Hover followed by an hour summary session with J. Hopcroft and K. Hover. The summary to the President and Provost took up all of the team’s meeting time leaving no room for question and answers with the president and provost.

The college now has 14 days, from the departure date of the team, in which to respond to any error in fact. One area the college will clarify is the engineering science in ENGRD 270. After the draft report is delivered to the college in January or February we will have thirty (30) days in which to respond. Over the summer the final report will be delivered to the college.
ABEN will be responding to the ABET team regarding ABEN 151. ABEN 151 is used to teach Java and as an introduction course. In 1992 the course counted towards 4 credits of engineering topics. In this review the course was only given 2 credits of engineering topics so ABEN was short two credits. The team has given ABEN four suggestions on how to correct the problem, which they are in the process of doing.

ORIE will be addressing CS 211 and EngrD 270 for design content. D. Gries put together some material, which explains the design component in the computer science courses. Historically, ABET has not allowed computer courses design credit. Although the ABET team may agree with D. Gries documentation they will not raise the issue to the ABET board given that the college does not uniformly apply the design component in the computer science courses.

**Undergraduate Programs Announcements:** K. Hover, Assoc. Dean, displayed two booklets and a laminated sheet containing the summary of results from the Sloan funded Physics Anxiety research. The materials will be sent to the faculty.

K. Hover, Assoc. Dean, a draft of the conditions for pro-rated tuition will be sent to all Associate Directors. It is a procedure for students who have only a few credits left to graduate, to pay less than full tuition. Students eligible for pro-rated tuition should petition to Ray Thorpe in the Advising Office.

Meeting adjourned at 9:00 am.