Notes of Engineering Committee Meeting
Held at 2:00 p.m. on 16 September 2005, Room CH-3240 (Clarkston campus)

In attendance were:
Anant Honkan
Iason Rusodimos
Mohan Raj
Enefiok Umama

1. First on the list of general charges is that Common Course Outlines and Teaching Guides must be reviewed for all six Engineering courses this year. Since many of the CCOs were revised last year, it is not necessary to revise all of them again. TGs do need to be revised for ENGR 2605 and 2606, since now a new text is being used for those courses. Also, the CCO and TG for 1608 should be updated and modernised, to include more modelling and projects.

2. A discussion about introducing a course teaching computing with MATLAB. Knowledge of MATLAB is required for engineering students transferring to Georgia Tech. Options that have been considered are:
   - include an introduction to MATLAB as part of ENGR 1603,
   - create a new course, Engineering Computing with MATLAB, modelled after a similar course offered at Georgia Tech,
   - create a new section of an existing course at GPC, CSCI 1301M, which is open to Engineering majors only, and covers the course content of CSCI 1301, plus those topics in CSCI 1302 that are needed by Engineering students transferring to Georgia Tech, and taught with MATLAB rather than Java.

Of these, the third option seemed to be the best, as it would require only a slight modification to the course description, so probably would not require Senate approval. Creation of the new section must be initiated by the Computer Science department.
Actions: Anant will present this proposal to the Computer Science committee, of which he is a member. Iason will speak with Julia Benson about what kinds of changes can be made to a course without requiring Senate approval.

3. A drawback of the 1301M proposal is that a few majors, namely electrical engineering, computer engineering, and industrial engineering, will still have to take CSCI 1302 if they want the transfer credit for 1301. Options for students transferring into these majors are that they can take both 1301 and 1302 at Tech, or the course CSCI 1302M could be created for these students. No further discussion was made of this issue.

4. The members of the Engineering committee must compile the results of the ENGR 1608 and ENGR 2605 assessments for SACS review, and the assessments of ENGR 1603 and ENGR 1011 for course review. Anant will compile the reports from whatever data is available, and the results will be discussed at a future meeting.

5. Anant passed out several documents related to the Board of Regents’ programme review:
   Academic Discipline Program Review and Self-Study
   Plan for Program Review
   Goals and Objectives of Academic Programs (several years)
   Strengths and Weaknesses of Academic Programs (several years)
   Several appendices

One of the reports in the programme review, the Self-Study Report, must be reviewed by external peers. There was a little discussion about who would be qualified to review the programme externally, and ways the review could be accomplished.

The meeting adjourned at 3:15 p.m.