Topics

• General Comments
• Feedback on Undergraduate Program
  – Objectives
  – Changes
  – Budget Challenges
  – Facilities
• Feedback on Graduate Program
• Overall Impressions
General Comments

• Start each meeting with review of actions from previous meeting
• Lack of textbook for Structures course
• Undergraduate students commented that TAs that personally do the class homework are much more effective in helping the students in a timely manner
• Students had no negative feedback on TA performance
General Comments

• Students are still having problems realizing what it takes for a successful job search – Board recommends a systematic “training” by the college that starts in Freshman year
  – Students don’t appear to understand all the options available beyond the traditional aircraft companies
  – Industry would love the opportunity to regularly talk to students about careers
General Comments

• Students would like to see more aerospace companies at job fairs
• Students would like to see more “design” problems as part of each class – perhaps homework not just class project at the end.
• Student clubs / groups give great practical engineering experience to participants – look for as many opportunities for this as possible
• Students really support the new Matlab course
General Comments

• Having graduate students present their research was very good and should be continued at future meetings. The board was very impressed with the content of the research and the quality of the presentations.

• Facility improvements noted however the bathrooms really need to be improved.
Feedback on the Undergraduate Program

• Objectives
  – No issues

• Changes
  – UAV projects are building expertise in remote sensing which has broad application to a number of different missions – both air and space. Should consider this topic area for future curriculum.
  – The Board appreciates that you added AEM3100 on computer tools that were recommended last year. Well Done!
  – We still believe that AEM needs to expand the emphasis on systems engineering / integration / architecture.
  – Board strongly supports the addition of AEM3101 to the curriculum

• Budget Challenges
  – Concern that there may not be enough resources to continue to recruit and retain top faculty talent. AEM and the CSE should continue to emphasize the environment and support for faculty and their research

• Facilities
  – Lab space is becoming an issue with increase in enrollment and student design activities
Feedback on the Graduate Program

• We are very impressed with the quality of the graduate students
• No issues were identified
Overall Observations

• Energy level, enthusiasm, overall culture – both student and faculty is fantastic. You are all to be commended in making this happen. KEEP IT UP!

• Number of student competitions for AEM students is impressive and clearly enriching the academic experience for the students

• AEM as a department needs to elevate focus on helping students with career planning, preparation, and job searching.

• Last year the Board and faculty agreed to create 3 sub-committees to address key improvements. We still believe these should be created and utilized
  – Internships (set up web site outlining internship opportunities and bring prospective employers in to CSE and/or AEM in the Fall semester to communicate the value of internships) – all board members to provide link to their web site for internships and list of AEM alumni in their organizations to Professor Leo.
  – Career Planning (involve alumni in coming in to discuss resume content, interview process, and career options across many industries) – all board members will participate
  – Development / Fund Raising (determine ways to increase giving for both scholarships and support to department equipment and facilities needs)