# END-OF-SEMESTER SNAPSHOT DAY/DESIGN EXPO (1st Semester Teams)

**EXPECTED OUTCOMES**

* **System Design** - The team has developed an idea for the final design. The team has identified and described the subsystems necessary to meet client needs.
* **Data and Prototypes** – The team has designed, built, and tested relevant prototypes and has assembled evidence (drawings, flowcharts, diagrams, calculations, prototypes and/or experiments) that the concept design will work.

**PREPARATION (review display items with lead instructor and graduate student mentor)**

* Project portfolios should be updated to include a synthesis of your project learning and conceptual design
* Bring any supporting hardware/software, CAD models, proof-of-concept prototypes, etc.
* Make 8.5x11 printouts to create a posterboard that includes:
  + Team name, team members, sponsor
  + Updated Problem statement
  + Updated Table of Specifications (general reqs, specific reqs, target values)
  + Outline your major areas of project learning as well as your findings/results (in prototyping, in modeling, in experimentation).
  + Convincingly illustrate that all components of your design will work.
  + Communicate vision of final product architecture (sketches, drawings, diagrams).
  + List unresolved issues and your plan for attacking these.
  + Plan for project completion (milestones & dates)
* Supplement your posterboard with laptop show/tell, if appropriate.

**DELIVERY (on Snapshot Day)**

* BUSINESS ATTIRE – button up shirts, slacks, and interview style grooming.
* Advance clean up around your work/display area and early set-up at your location.
* Make logbook entries with lessons learned about your project and project actions other teams are taking that you want to emulate.

# END-OF-SEMESTER SNAPSHOT DAY/DESIGN EXPO (2nd Semester Teams)

**EXPECTED OUTCOMES**

* **Client Satisfaction** –The design will meet or exceed customer expectations. This includes providing quality evidence that proves that needs are met.
* **Oral Communication** – The team can concisely and effectively explain how the design works (including key knowledge about underlying principles, design, manufacturing, and testing) at the right level for each visitor. Students are enthusiastic and communicate in an organized and clear fashion.
* **Professionalism** – Students are role models in supporting the goals of the engineering capstone program, welcoming visitors, and answering questions about the program.

**PREPARATION (review display items with lead instructor and graduate student mentor)**

* Project portfolios should be updated to include all project documentation.
* Bring final hardware/software, results from experimentation, pictures of installation, etc.
* Make an attractive 30” x 40” poster (suitable for long-term public display) that includes:
  + Descriptive project title
  + Team name, team members, sponsor
  + Updated problem statement (1-2 sentences suitable for general audience)
  + Summary of client needs/requirements
  + Final product architecture and its key subsystems/features.
  + Evidence that all design components work as intended (final test results)
* Supplement your poster with laptop show/tell, if appropriate.

**DELIVERY (on Snapshot Day/Expo)**

* BUSINESS ATTIRE – button up shirts, slacks, and interview style grooming.
* Advance clean up around your work/display area and early set-up at your location.
* Make logbook entries with lessons learned about your project and project actions other teams are taking that you want to emulate.