ENGR 1201 Midterm Review

20 questions on the exam (bring a simple calculator).

Review topics:

1. Formalized methods to solve a problem.
2. Volume unit conversion.
3. Area unit conversion.
4. Engineering variables.
5. Units of measurement.
6. Design problems vs homework problems.
7. Qualities of a good designer.
8. Design notebook documentation.
9. Systemic approach in engineering design.
10. Engineering design process.
11. Qualities of team leaders.
12. Timing in design operations.
13. Defining a design problem.
14. Steps after defining design problems.
15. Goals to a successful project.
16. Best ways to brainstorm.
17. Mind mapping.
18. Ideation.
19. Alternative design concepts.
20. Functional decomposition.

Good luck!