Engineering Grading Criteria

A = Substantial mastery of subject matter (Superior)

* Mistakes in concept or application are rare.
* Ability to deal at the highest conceptual level in both the cognitive and affective realm of technical and non-technical fields.
* Ability to formulate, translate and express ideas in both technical and non-technical language and thought patterns.
* Self-motivated, self-critical, self-learning; leads others; seeks and accomplishes beyond expected requirements.

B = Moderate mastery of subject matter (Good)

* Mistakes in concept or application are not common.
* Ability to deal at a high conceptual level in both the cognitive and affective realm of technical and non-technical fields with at least modest competence.
* Ability to formulate and express ideas in technical languages and thought patterns, and to understand ideas expressed in non-technical language and thought patterns.
* When directed or encouraged by others, can criticize and evaluate own work, learn independently, direct group effort, extend and amplify assigned work.

C = Competent grasp of subject matter (Acceptable)

* Mistakes in concept or application are not serious or frequent enough to endanger life or property.
* Usually can be relied on to produce sound, competent work under supervision, and to express the results in technical language.
* Limited ability to deal with abstractions and evaluations of technical material or higher level non-technical ideas.
* Can accomplish assigned work but has difficulty in self-criticism, independent study, setting directions for others or self.
* Exhibits the minimum level of performance acceptable in professional practice.

# D = Some grasp of subject matter (Marginal… not Acceptable)

* Mistakes in concepts or applications are serious or frequent enough to endanger life or property.
* Should work in the subject area only under close supervision.
* Cannot be relied upon to clearly and precisely express technical ideas or to comprehend collegiate level ideas from non-technical areas.
* Should not be allowed to graduate with any significant number of weaknesses of this magnitude, especially in the major discipline.

**F = Inadequate grasp of the subject matter (Failure)**

* Serious mistakes in concepts or applications.
* Sufficiently incompetent that an attempt to do engineering work or to use knowledge in the subject area would constitute a hazard to the public.
* Formulation and expression of ideas in any realm are below good collegiate standards and inadequate for effective communication.
* Should not be allowed to graduate in any discipline without remedying the deficiency.

***Note:*** *The concept of “subject matter” should be understood to mean the course outcomes of the particular course being considered.*