Post-Class 7 Assignment

Creating Effective Problem Set & Exam Questions

Due: Session 8

For a course that you might teach or want to teach in the future:

- Select a topic for which you created ILOs in Class 3. Use a taxonomy (Bloom's or Feisel-Schmitz) to develop a set of questions or problems that address the students' cognitive development at *each level* of the taxonomy (5 or 6 depending on the taxonomy).
- Enter your problems in the table below. You can attach images, graphs, etc., if you wish.

Name/topic	P-set/Exam Questions (at each level)
Janet course design	1. Remember: *State* the 3 components of constructive alignment 2. Understand: *Explain* to an intelligent non-expert the relationship among the 3 circles of the constructive alignment model 3. Apply: *Describe* how you will implement an appropriate active learning technique to advance an ILO 4. Analyze: Take a problem from a pset or text, and *develop* a learning outcome that it could advance or measure. 5. Evaluate: *Revise* the problem chosen above in order to make it more effective in advancing the indicated ILO 6. Create: *Create* an assignment or problems that can help learners meet a specific ILO.

5.95J / 6.982J / 7.59J / 8.395J / 18.094J / 1.95J / 2.978J Teaching College-Level Science and Engineering

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