

**View Lecture #1, Supplement**  
**View Lecture #11, Supplement**

### **Homework Grad**

1. What is the answer to the “View Check Question” at the end of Lecture #1, Supplement?
2. What is the relationship between competence and ethical behavior? Explain generally, and back up your explanation with a case for when a BS in engineering does a project vs. a PhD in engineering does a project involving safety issues.
3. Explain the differences between an MS and PhD degree in engineering.
4. What is the answer to the “View Check Question” at the end of Lecture #11, Supplement?
5. Define fabrication, falsification, and plagiarism.
6. Define Babbage’s “cooking”.
7. Name 4 principles of how to cite papers.
8. State 5 principles of using human subjects in product testing.
9. State and defend your position on whether mammals are a valid choice to use in place of humans to test the safety of a product.
10. What is the standard approach to the ordering of authors on engineering publications?
11. Name a key ethical challenge that can arise for expert witnesses (engineers) in court.