Draft of goals and overview of cis740 Final Exam – Dec 16th, 2002

skills
- design experiments
- classify items using reference model
- design/evaluate existence dependency
- software measure evaluation
- scale properties
- measure abstraction
- proof of representation condition
- software testing
- delivered reliability

knowledge
- experimentation (based on article)
- inspections (based on article)
- cost estimation techniques (based on article)
- psp (based on article)
- ref model (based on article)
- existence dependency (based on article)
- SDL (based on web site)
- oo design terms – cohesion, coupling, scale types
- software metrics
- software testing
- reflexion models
- reliability
- mutation testing

Final Exam – 200 pts total – Monday, Dec 16, 2002
1. (25 pts) Calculate delivered reliability
2. (25 pts) Software Testing
3. (25 pts) Prove whether or not the representation condition holds
4. (25 pts) Proof of scale properties
5. (25 pts) Abstractions
6. (25 pts) Mutation testing
7. (20 pts) Diagrams
8. (30 pts) Multiple choice