Coverage

- Lectures covering topics 1-8 (from syllabus)
- Reading:
  - Sommerville Chapters 1-4, 6-9
- Topics:
  - **Introduction to SE**: professional software development, FAQs about SE, SE ethics, case studies, etc.
  - **Software Processes**: process models, process activities, coping with change (prototyping, incremental delivery, spiral model), RUP, etc.
Coverage (cont’d)

- **Topics: (cont’d)**
  - **Agile Software Development**: agile methods, plan-driven development, XP, agile project management, scaling agile methods, etc.
  - **Software Requirements Engineering**: functional vs. non-functional requirements, software requirements document, requirements specification, RE process, elicitation and analysis, validation, requirements management, etc.
  - **Architectural Design**: architectural design decisions, views and patterns, application architectures, etc.
Coverage (cont’d)

- Topics: (cont’d)
  - **Design and Implementation**: OO design, design patterns, implementation issues, open source development, etc.
  - **Software Testing**: development testing, test-driven development, release testing, user testing, etc.
  - **Software Evolution**: evolution processes, program evolution dynamics, software maintenance, legacy system management, etc.
Other resources

- Practice exam problems + solution notes (All but the three most recent exams are based on EARLIER editions of the text. Some questions/answers from older exams are now obsolete and/or irrelevant.)

- Optional outside readings (not required for the exam)
Exam Logistics

- Exam 1 will be held in class on Friday, Oct. 18 for **ALL ON-CAMPUS and ALL GAINESVILLE AREA EDGE STUDENTS**.

- **OUT-OF-TOWN** EDGE STUDENTS should make arrangements with their EDGE-approved proctors to take the exam on Friday afternoon, Oct. 18, or anytime on Monday or Tuesday, Oct. 21-22.
Ground Rules and Format

- You will have 90 minutes to work on the exam.
- No notes, books, calculators, cell phones, PDAs or other electronic devices (other than a watch) are allowed.
- Bring your UF picture ID card.
- Problem format may be short answer/essay, matching, true/false, fill-in-the-blank, etc.
- All answers should be printed in the spaces provided on the exam only.
- The point-value of each problem will be indicated.
- Please do NOT ask questions about problems during the exam. If you are unsure of what is being asked or what is meant, either skip the problem or just use your best judgment.
Exam Procedures for OUT-OF-TOWN EDGE Students

- Proctors have been instructed to schedule a SINGLE EXAM TIME for all students at each site.

- The Exam will be made available to proctors the same day it is administered to on-campus students – i.e., on Friday, Oct. 18.

- Make prior arrangements with your proctor to take the exam Friday afternoon, or anytime on Monday or Tuesday.

- Proctors should return electronic copies of completed exams via e-mail or FAX directly to the instructor ASAP after administration.
Make-Up Exam Policy

- Students are expected to be available at the scheduled exam time. Do **NOT** schedule conflicting elective activities (family gatherings, interview trips, vacations, etc.).

- If missing an exam is unavoidable (e.g., due to sickness, accident, or other reasons beyond your control), contact the instructor as far in advance as possible.

(cont’d)
Make-Up Exam Policy (cont’d)

- Make-up exams, when permitted, may be administered orally.
- If it is not practical to administer a make-up exam before the end of the term, a course grade of "I" (incomplete) may be assigned.
Questions?
Exam 1 Notes

CEN 5035
Software Engineering

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