Today's Agenda

❑ Syllabus

❑ Software Engineering: What and Why?

Instructor & TA

❑ Instructor: Jeff Lei, ylei@cse.uta.edu, x2341, ERB 531, Office hours: 2:00 – 3:30pm, Tue. & Thu.

❑ TA: Mehra N. Borazjany, mehra.nourozborazjany@mavs.uta.edu

Communication Channel

❑ Everyone MUST subscribe to the class mailing list stm@listserv.uta.edu.

❑ Use the following instructions to join the list:
  - Compose a message so that its subject line is empty, and its body contains a single line "subscribe stm@listserv.uta.edu"
  - Send this message to listserv@listserv.uta.edu.
  - Confirm your subscription by replying the message from the listserv server

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Textbook & Reference

❑ Textbook
  - Paul Ammann and Jeff Offutt, Introduction to Software Testing, ISBN 978-0-521-88038-1, Cambridge University Press, 2008. .

❑ Reference
  - Aditya P. Mathur, Foundations of Software Testing, ISBN 81-317-1660-0, Pearson Education, 2008.

Course Website

❑ The course web site is available at the following URL: http://crystal.uta.edu/~ylei/cse4321

❑ Lecture notes, assignments, announcements, and any supplementary materials will be posted on the web site.

❑ Visit the website at least once per week.

Homework

❑ Exam problems are similar to homework problems

❑ Must be solved individually
  ▪ Fine to discuss the assignments with others
  ▪ NEVER share the solutions.

❑ Account for 15% of your final grade

Grading

❑ The final grade will be calculated using the following percentages:

- Homework – 15%
- Quizzes – 15%
- Midterm Exam – 30%
- Final Exam – 40%

❑ If you have any questions about your grades, you MUST notify the TA or the instructor within two weeks after the grades become available.

- The grades become final after two weeks!

Late Assignments

❑ Late assignments are acceptable before solutions are posted or explained in class, with 10% deduction for every 24 hours. Less than 24 will be rounded to 24.

❑ If you have an emergency that prevents you from completing the work, contact the TA or the instructor prior to the due date.

Academic Integrity

❑ You must EARN your credits honestly and professionally.

❑ The reasons?
- This is the only way for you to learn.
- You don't want to lose your reputation to your fellow students.
- You don't want to be a subject of disciplinary actions.
- …

Major Topics

❑ Software Testing
- Test Process, Test Adequacy Criteria, Equivalence Partitioning, Control Flow Testing, Data Flow Testing, Predicate Testing, Combinatorial Testing

❑ Software Maintenance
- Maintenance Models, Configuration Management, Reverse Engineering, Software Refactoring

Questions?

Software Testing and Maintenance

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