

## Today's Agenda

- Syllabus

## Instructor & TA

- Instructor: Jeff Lei, [ylei@cse.uta.edu](mailto:ylei@cse.uta.edu), x2341, 340 NH, Office hours: 12:20pm - 2:20pm, Mon. & Wed.
- TA: TBA

## Communication Channel

- Everyone MUST subscribe to the class mailing list [consoft@listserv.uta.edu](mailto:consoft@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 [consoft@listserv.uta.edu](mailto:consoft@listserv.uta.edu)"
  - Send this message to [listserv@listserv.uta.edu](mailto:listserv@listserv.uta.edu).
  - Confirm your subscription by replying the message from the listserv server

## Textbook & References

- Textbook
  - Richard H. Carver and Kuo-Chung Tai, [Modern Multithreading](#), John Wiley & Sons, 2005, ISBN: 0-471-72504-8
- References
  - Gregory R. Andrews. [Multithreaded, Parallel, and Distributed Programming](#). Addison-Wesley, 2000, ISBN: 0-201-35752-6.
  - Robin Milner. [Communication and Concurrency](#). Prentice Hall, 1989, ISBN: 0-13-115007-3

## Course Website

- ❑ The course web site is available at the following URL: <http://crystal.uta.edu/~ylei/cse6324>
- ❑ Lecture notes, assignments, announcements, and any supplementary materials will be posted on the web site.
- ❑ Visit the website at least once per week.

## Homework

- ❑ About **four** written assignments
  - exam problems are similar to homework problems
- ❑ **Must be solved individually**
  - Fine to discuss the assignments with others
  - **NEVER** share the solutions.
- ❑ Account for 20% of your final grade

## Grading

- The final grade will be calculated using the following percentages:
  - Homework - 20%
  - Quizzes - 20%
  - Midterm Exam - 30%
  - Final Exam - 30%
- 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.
  - ...

## Tentative Topics

- ❑ Concurrent Programming
  - Java Threading Model, Binary/Counting Semaphores, Locks, General/Java Monitors, Link/Port/Mailbox, Rendezvous, Selective Wait, Common Concurrent Problems
- ❑ Testing and Debugging of Concurrent Programs
  - Tracing/Replay, Race Analysis, Non-deterministic Testing, Deterministic Testing, Reachability Testing
- ❑ Introduction to CCS
  - Modeling Concurrency, The CCS language, Transitional Semantics, Equational Laws

# Questions?