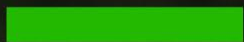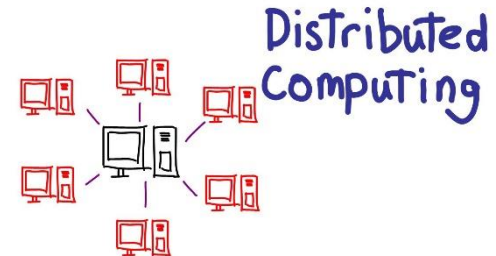LUT
University

# LAND OF THE CURIOUS

# CT30A3401
# Distributed Systems

**Bilal Naqvi, PhD.**
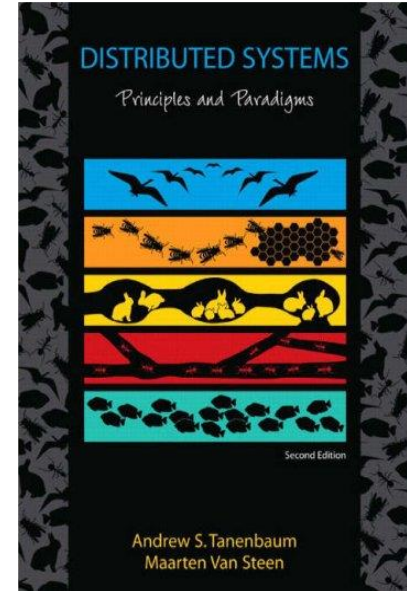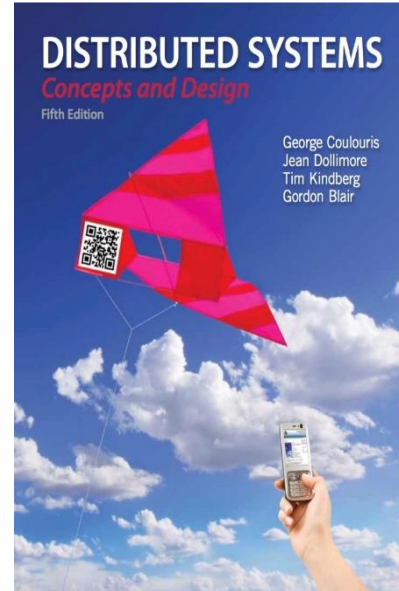
syed.naqvi@lut.fi

# Course Information

- Credits: 6 cr

- Medium of instruction: English

- **Learning Outcomes:**
    - Explain what a distributed system is, and what the desired properties of such systems are
    - Apply the basic theoretical concepts of distributed systems
    - Design and implement simple distributed system
    - Examine how modern distributed systems meet the demands of contemporary distributed applications

# About the material covered

- Principles of distributed systems
- Architectural patterns/paradigms
- Methods and procedures
- Communication
- Fault tolerance
- Security
- Others?

# Recommended Course Books

- Distributed Systems (2018) by Maarten van Steen and Andrew S. Tanenbaum, 3rd Edition

- Distributed Systems Concepts and Design (2012) by George Coulouris, Jean Dollimore, Tim Kindberg, and Gordon Blair, 5th Edition

# Evaluation criteria (UPDATED)

- **Grade: 0-5**
  - Quizzes (3)        : 15%
  - Assignments (6)  : 60%
  - Project (1)         : 25%

- **50%** of the total score to pass
  - meeting minimum participation criteria for all evaluations is **must**
    - If you have 10/10 in quizzes, 20/20 in assignments, 35/35 in the project, you still have to appear in the exam.

# Schedule and Teaching

- Available in TimeEdit
  - Mondays 1415-1600
- All teaching shall be non-contact
- Lectures and instructions on Moodle
  - *Frequency* (**Menti**)
  - Guest lecture will be live
- Exercise hours
  - TA

# Forums and Chat

- Course discussion forum on Moodle
- Teams?

# Personnel

- Bilal Naqvi
  - PhD (Software Engineering), MS (Info Sec), BE (Software Engineering)
- TA
  - Niaz Ali Khan (contact details to be shared on Moodle)

# Online Hours and Contact

- Office hours are available
  - Reserve a slot via email