EL 6383: High Speed Networks

2020 Spring

H. Jonathan Chao
chao@nyu.edu
# Course Content

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Instructor

- H. Jonathan Chao
  - Office: 370 Jay St, Room: 955
  - Tel: 646-997-3302
  - Email: chao@nyu.edu

Office hour: Tuesday. 2:00pm – 3:00pm or email me for an appointment

When sending me an email, please
  - Include the course # (or it could be falsely classified as trash),
Pre-Requisites

- EE136, EL5373, or equivalent
- Familiar with at least one programming language (C, C++, Java, Python, PHP, ...)

Books & Materials

- No recommended Textbook
- Slides, lab materials and reading materials will be uploaded to NYU Classes
- Reference book:
  - Quality of Service Control in High-Speed Networks
    - Authors: H. Jonathan Chao and Xiaolei Guo
    - Publisher: John Wiley & Sons, November 2001
Exam

- Two exams
- Close book
- A letter-size, double-sided reference sheet is allowed
- T/F, short answers, calculations, designs
Labs

- Lab 1: Tutorial of Python
- Lab 2: Mininet and Bufferbloat
- Lab 3: Network Function Virtualization with DPDK
- Lab 4: OSPF with Fast Re-Routing and Docker

Lab Lectures:
- Lab 1: 15 mins
- Lab 2- Lab 4: 20 mins each.

Lab Hours
- Two Sessions, each with 2 hours per week (You have to choose one session to attend)
- TBD

Lab Location
- LC 001
TA

- TBD
Grading

- Lab: 25%
  - Lab 1: 3%
  - Lab 2: 6%
  - Lab 3: 8%
  - Lab 4: 8%

- Homework: 5%

- Quiz: 10%

- Midterm Exam: 30%

- Final Exam: 30%

Important: For fairness, no late turn-in will be accepted, no make-up exams, no misconduct
POLICIES AND PROCEDURES ON ACADEMIC MISCONDUCT

Please refer to the content in the following link:
http://engineering.nyu.edu/academics/code-of-conduct/
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