EE 461 Intro. to Computer-Commn. Networks (Sp. 2018)

Instructor: Sumit Roy ¹

Course Outline

- Overview of Networks - OSI model, architecture and components, functions
- Applications Layer (http, smtp, ftp)
- Transport Layer (How to make the network invisible to applications)
- Network Layer (How to route data from source to destination)
- Medium Access Control SubLayer (How to share a channel between many users)
- Data Link Layer (How to send data from point-to-point)

Text

Other References

Prerequisites: CSE 143; Math/Stat 390/391 or IND E 315 or equivalent for basic probability.

Instructor Off. Hrs: Mon. 2-3 pm. or by appointment
TA: A. Jadon (jadona@uw.edu)
TA Office Hrs: Wed 5-6 pm; Sieg 128
Lab Sessions: Fri 12.30-2.20 pm EEB 031.

Assessment:
The overall grade will be based on: (i) 6 Homework assignments + Class Participation [20%], (ii) Mid-term Exam (tent. May 1) [25%], (iii) 5 Wireshark (Lab) Projects [20%], (iv) Final Exam (Official Scheduled Date) -Jun 7, 10:30-12:20 pm [35%].

Notes
(i) All homeworks will be due in class, one week from assigned date. No late HWs will be accepted without prior arrangement.
(ii) There will be no make-up exams; absences on mid-term with valid reasons will have credit pro-rated to the final. All exams are closed-book; TWO 8 1/2 x 11 sheets [both sides] of formulas/notes allowed for Mid-term and FOUR sheets for the Final.
(iii) The Lab projects will use Wireshark and will be done individually. Information about downloading Wireshark onto your PC+tutorials, conduct of experiments and submission of results via Canvas will be posted on course homepage. Any Labs not submitted by the deadline (enforced) will not be graded.
(iv) The class homepage is located at //class.ee.washington.edu/461/2018spr/ - please read regularly for new info/updates. All lecture slides and other updates/announcements pertinent to the course will be archived at this location.
(v) A class on-line Discussion Board has been set-up that you are encouraged to use; a link is provided from the course homepage.
(vi) All grades will be available individually via Canvas.

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