

ELEC 331 Computer Communications

Problem Set 2

Due Date: Tuesday, February 12, 2019, at 9:30 am

- For Problems 1 – 6, please submit the *hard copy* at the beginning of class. For Problems 3 – 6, please print and attach the screenshots.
- For Problems 3 – 6, please submit the *soft copy* via UBC Canvas as well.
- For Problems 3 and 4 (Wireshark problems), please include your answers (typed or handwritten) as well as screenshots of the program in the hard copy. Meanwhile, please include all your screenshots in a WORD or PDF file. The hard copy will be used for the grading. The soft copy will be checked when necessary, e.g., the printed screenshots images are below satisfactory level.
- For Problems 5 and 6 (Socket programming problems), please attach your python code (.py file). The TA will test your code. Please attach screenshots of the results or output of your code in a PDF file. Please do not attach a screenshot of the code and a WORD/TXT/PDF file with the code in it. Please make sure that your code runs for Python 3+ versions.

Problem 1: Question P2 from our textbook (Kurose and Ross, 7th edition), pp. 174.

Problem 2: Question P18 from our textbook (Kurose and Ross, 7th edition), pp. 178.

Problem 3: Wireshark Lab: HTTP (Kurose and Ross, 7th edition), pp. 182.

Problem 4: Wireshark Lab: DNS (Kurose and Ross, 7th edition), pp. 183.

Problem 5: Socket Programming Assignment 1 (Web Server) from our textbook (Kurose and Ross, 7th edition), pp. 181.

Problem 6: Socket Programming Assignment 2 (UDP Pinger) from our textbook (Kurose and Ross, 7th edition), pp. 181.