CS320: Internetworking
Fall 2021

Lab Assignment #1

- Name only: _____
- Release date: Sep 08, 2021 (Wednesday), 1:00pm
- Due date: Sep 15, 2021 (Wednesday), 1:00pm
- It should be done INDIVIDUALLY; **Show ALL your work**
- Total: 10 pts

1. Read "Wireshark Lab: Getting Started", install Wireshark, and follow the ten steps shown in section "Taking Wireshark for a Test Run". Then, take a screenshot of Wireshark, similar to "Figure 5: Wireshark window after step 9", on your machine, and paste it here as the answer of this question.

[1 pt]

2. Answer four questions shown in section "What to hand in".

A. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing window in step 7 above ("Wireshark Lab: Getting Started").

[2.5 pts]

B. How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received? (By default, the value of the Time column in the packet listing window is the amount of time, in seconds, since Wireshark tracing began. To display the Time field in time-of-day format, select the Wireshark View pull down menu, then select Time Display Format, then select Time-of-day.)

[2.5 pts]

C. What is the Internet address of the gaia.cs.umass.edu (also known as www-net.cs.umass.edu)? What is the Internet address of your computer?

[2.5 pts]

D. Print the two HTTP messages (GET and OK) referred to in question B above. To do so, select Print from the Wireshark File command menu, and select the "Selected Packet Only" and "Print as displayed" radial buttons, and then click OK.

[1.5 pts]