**First week:**

Since we won't be in a suitable lab for the first week, let's use the first week of classes to get caught up on some reading and get ready to hit the ground running next week. The first lab will be about TCP/IP performance issues of Tor, so make sure to read up on the following topics before class on Tuesday the 30th:

- The OSI network stack (pages 19-30)
- Sockets (pages 30-40)
- The differences between UDP and TCP/IP
- Switched networks such as ATM (Chapter 3)
- Tor (see below)

It also won't hurt to get a head-start by reading up a little bit about TCP/IP (chapters 4 through 6), but we'll be covering that a little bit later so focus on the basics above first.

To start to get familiar with the Tor network:

- Check out their website at [https://www.torproject.org/](https://www.torproject.org/) and their blog at [https://blog.torproject.org/blog/](https://blog.torproject.org/blog/).
- Read the original Tor paper: [https://svn.torproject.org/svn/projects/design-paper/tor-design.pdf](https://svn.torproject.org/svn/projects/design-paper/tor-design.pdf)
- Check out some more up-to-date papers about Tor by looking for papers from the last couple of years of the Privacy-Enhancing Technologies Symposium.
- Go to [http://www.cs.unm.edu/videos](http://www.cs.unm.edu/videos) and watch Roger Dingledine's colloquium talk form last year.
- Try to read [http://www.cs.uwaterloo.ca/~iang/pubs/defenestrator.pdf](http://www.cs.uwaterloo.ca/~iang/pubs/defenestrator.pdf) or [http://www.cs.uwaterloo.ca/~iang/pubs/TorTP.pdf](http://www.cs.uwaterloo.ca/~iang/pubs/TorTP.pdf), but keep in mind that these two papers might be a little hard to grasp at this point until we cover some more background info.