

Lecture 2: socket programming and HTTP

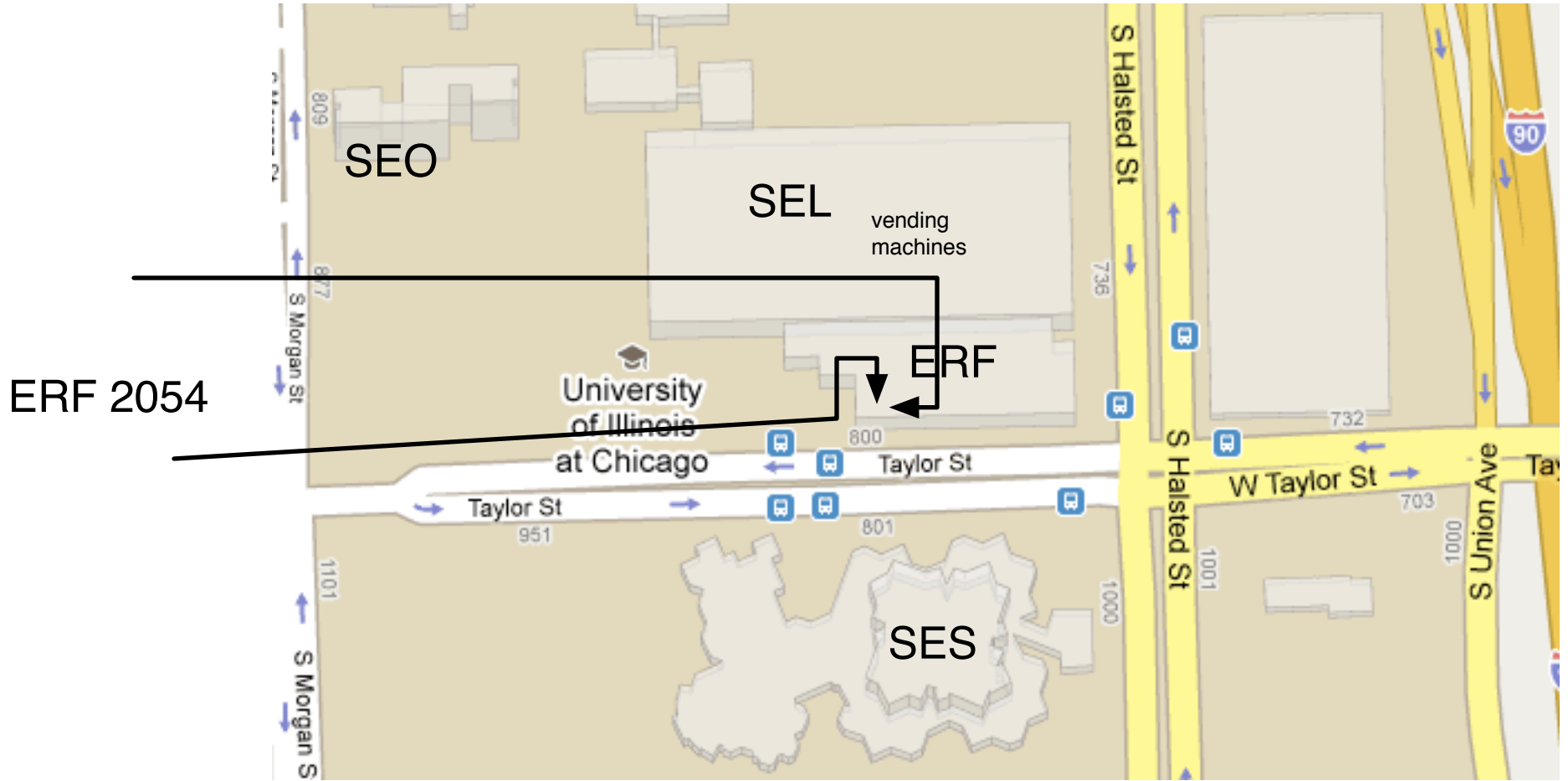
Reading: Ch 2.2-2.2.3 (HTTP)

2.7-2.7.1 (socket programming with TCP)

Useful tutorial: <http://beej.us/guide/bgnet/output/html/singlepage/bgnet.html>

Homework 1 is due Monday Aug 31 at 2 pm

Getting to ERF 2054



socket() - create a new socket

connect() - connect a socket to some end point address+port

recv() - receive a packet (part of a message)

send() - send a packet

shutdown() - close connection

recvfrom/sendto - UDP related packet handling

bind() - specify address and port of a server socket

listen() - wait for a connection attempt

accept() - gets a socket to remote client

select() - listen for events on multiple sockets at once

gethostbyname() - resolves host name (www.google.com)
into an IP address (128.93.83.2)

<http://www.theplace.com/thedirectory/thefile.html>

layered protocol model / protocol stack

