

University of Texas at El Paso

CS 4390/5390 Course Project

Due Date: 4/30/2018

There are several options that you can do for the course project:

1. Paper on how you would design the 5G cellular network
2. Software that interacts with your RTL-SDR for some sort of function (your choice)
3. Software that interacts with 802.11 WIFI (Listen to traffic and tell me what kind of devices are connected to the network)

If you decide to do number 1, here are things to consider:

- What data rate will you support?
- How will paging work?
- How does device registration work?
- How many users will you support in a cell and how?
- Will you support backward compatibility? How/Why?
- What security will you have?
- Integration to other networking? 802.11? 802.15.4?

List all sites and references

Deliverables:

- Paper describing what your project is and your design
- Presentation to be given in front of class on **4/30/2018**