**ITEC452 Advanced Networks**

**Reading Materials**

* Smartphone
1. Advanced Mobile **Phone** Service (**AMPS**) is a standard system for analog signal cellular telephone service in the United States and is also used in other countries. It is based on the initial electromagnetic radiation spectrum allocation for cellular service by the Federal Communications Commission (FCC) in 1970. (Information Source: Google)
2. Mobile Communication: What are GSM, GPRS, EDGE, UMTS, HSPA and LTE? <http://www.askingbox.com/info/mobile-communication-what-are-gsm-gprs-edge-umts-hspa-and-lte>
3. **GSM** is an alternate to CDMA and, as the name implies, is more of a global standard and the 3G technology used by most carriers around the world. **HSPA**: High Speed Packet Access. **HSPA** is a 3rd Generation (3G) technology based on UMTS standards offering faster data download speeds at the cost of upload speeds (Information Source: Google)
4. Help Key: 3G, 4G, HSPA+, LTE, WiMax – What Do They Mean To You? <https://techcrunch.com/2010/11/03/help-key-3g-4g-hspa-lte-wimax-what-do-they-mean-to-you/>
5. CDMA vs. GSM: What's the Difference?

[http://www.pcmag.com/article2/0,2817,2407896,00.asp](http://www.pcmag.com/article2/0%2C2817%2C2407896%2C00.asp)

1. Position Location Technologies for Wireless Systems <http://www.sis.pitt.edu/jjoshi/Location_Wireless_Chapter.pdf>