

# Spring 2018: ECE 69500-104

## “Wireless Communication Networks”

MWF 2:30-3:20pm, EE 226

Instructor: Prof. Xiaojun Lin (email: [linx@ecn.purdue.edu](mailto:linx@ecn.purdue.edu))



- ◇ With new and exciting apps from Virtual Reality, Internet-of-Things, and Cloud/Edge Computing, the need for high throughput, reliable, and low-latency wireless access has never been stronger!
- ◇ New wireless technologies such as 5G and LP-WAN are on the horizon for many major wireless service providers.

***Take this class to understand the fundamentals of wireless network performance and be ready to make such innovation happen!***

Topics: Wireless Communication Channel, Cellular Communications, Channel Allocation, Multiple Access, Power Control, 2G/3G/4G/5G Wireless Systems, Wireless LAN, Ad Hoc Networks.

***No pre-requisite on ECE 547 needed!*** (Since ECE 547 was not offered in Fall 2017, the dependency on ECE 547 materials will be minimized. The Graduate Office can over-ride the pre-requisite for you.) ***Talk to the instructor if you have any questions.***

<https://engineering.purdue.edu/~ee695n>  
(Old Spring 2012 course webpage. To be updated soon)