

## **TC 501: Foundations of Communications** **TELECOMMUNICATIONS**

A theoretical foundation for the analysis and design of communications systems. Fourier analysis, Nyquist sampling theorem, and the Shannon Channel Capacity theorem. analog and digital modulation techniques, including amplitude, frequency, and pulse code modulation, etc.

3 Credits

### **Instruction Type(s)**

- Lecture: Lecture for TC 501

### **Subject Areas**

- [Telecommunications Engineering](#)
- [Electrical and Electronics Engineering](#)

### **Related Areas**

- [Electrical, Electronics and Communications Engineering, Other](#)
- [Laser and Optical Engineering](#)

