

## 信号与系统（乙）课程介绍

### 一、中文简介：

“信号与系统”是高等工科院校电子信息类专业的一门重要的学科基础课程。通过本课程的学习，学生能够掌握基本的信号分析理论和方法，掌握线性时不变系统的各种描述方法，掌握线性时不变系统的时域和频域分析方法，掌握有关系统的稳定性、频率响应、因果性等工程应用中的一些重要结论。通过这门课程的学习，可以提高学生分析问题和解决问题的能力，同时为学生今后进一步学习信号处理、网络理论、通信理论、控制理论等课程打下良好的基础。

### 二、英文简介：

Signals and systems is an elementary and fundamental course offered as part of engineering degrees in most engineering universities and colleges. Through the study of this course, students will gain the basic knowledge of concepts and methods in signals and systems, such as time domain and frequency domain analyses of linear time invariant systems, and the understandings of stability, frequency response, causality for various continuous-time and discrete-time systems in engineering. By learning this course, students can improve their problem-solving abilities, and be prepared for further studies in the areas of signal processing, network theory, communication theory, control systems, and et al.