### Lecture 4, Part 2

#### Introduction to Discrete-Time Sinusoids

- ightharpoonup x[n] versus x(t)
- $\blacktriangleright \omega$  versus  $\Omega$
- Basic examples

# Lecture 5, Part 1

### Properties of Discrete-Time Sinusoids

- Condition for periodicity
- lacktriangle Effective range of frequency  $\omega$

# Lecture 5, Part 2

#### Sampling of Continuous-Time Sinusoids

- Terminology
- lacktriangle Relationship between (analog)  $\Omega$  and (sampled)  $\omega$
- lacktriangle Effective range of  $\omega$  revisited