

Course syllabus is available online.

* Overall course goal:

A mathematical study of "signals" & "systems".

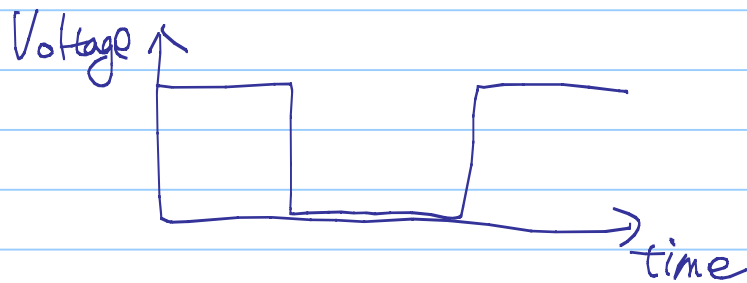
Q What are signals?

A: Definition #1: Something that contains info.

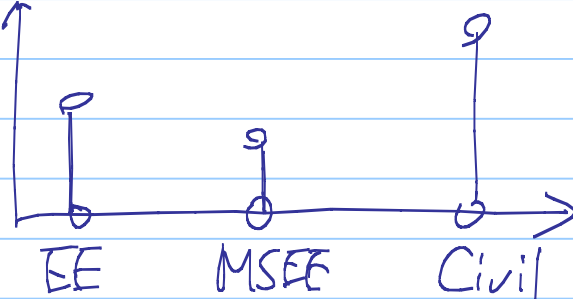
Ex:

Ex:

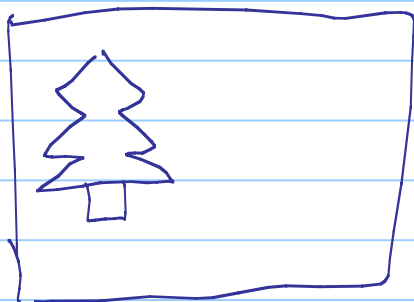
Ex: The voltage waveform in ECE202



Ex: EM waves of a cellular phone
of bars



Ex: A picture is a signal



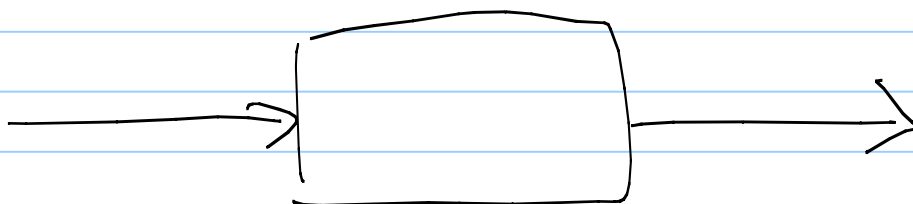
Definition #2:

Ex: $x(t)$ or $x[n]$

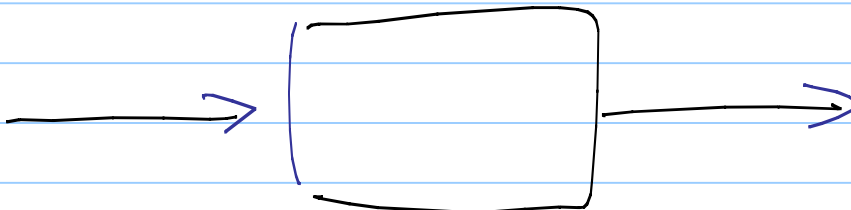
continuous time signal (CT signal)
discrete time signal (DT signal)

Q: What are "systems"?

A: Definition: (Def:)



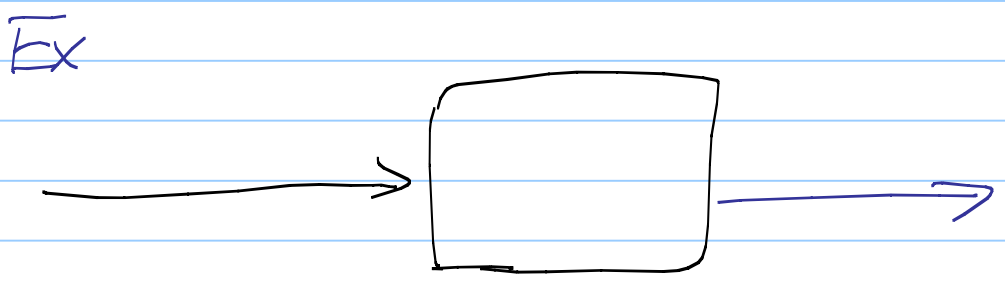
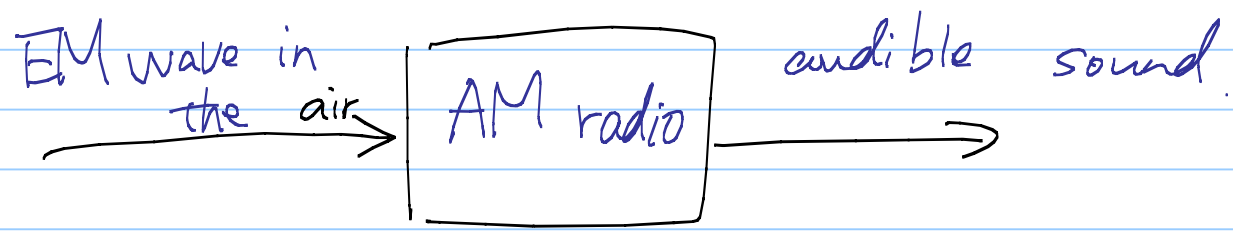
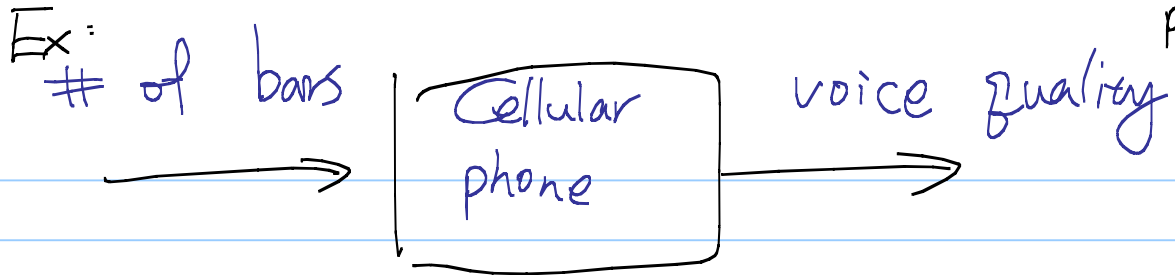
Ex:



Ex:



Ex:



* Different types of systems.
 Illustration Type: Examples

