SIGNALS AND SYSTEMS

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Introduction to the Course

CPE308- Signals and Systems syllabus

week	Week Topics
1	Concepts of signal and system
2	Periodic and non-periodic signals
3	Basic signals operations
4	Even and odd signals
5	Types of Systems 1
6	Types of Systems (Continued)
7	Impulse, unit step and ramp signals
8	Integration over signals
9	LTI systems (Impulse response)
10	Laplace Transform
11	Convolution
12	Convolution (Continued)
13	Fourier series
14	Fourier series (Continued)

grading

Midterm exam 40%

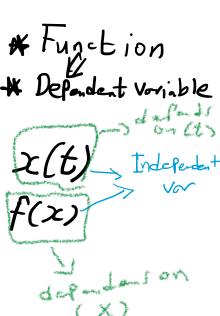
Final exam 50%

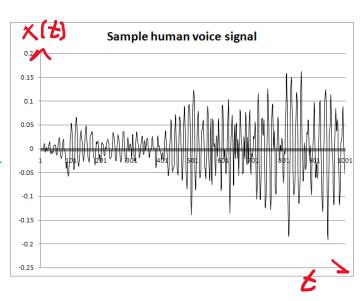
Homework 10%

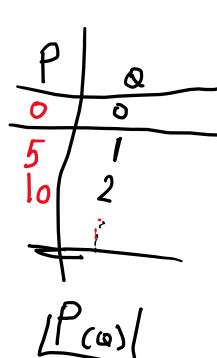
Signals and Systems

(CPE308)

The Definition of Signal

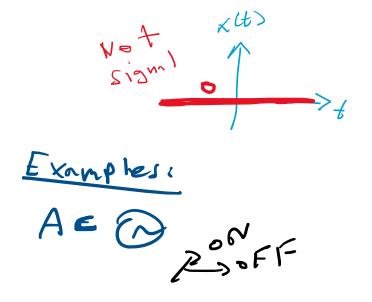


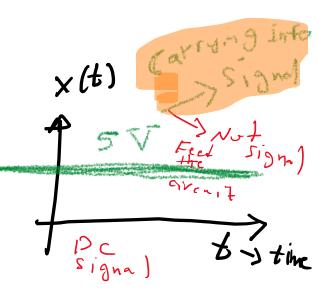


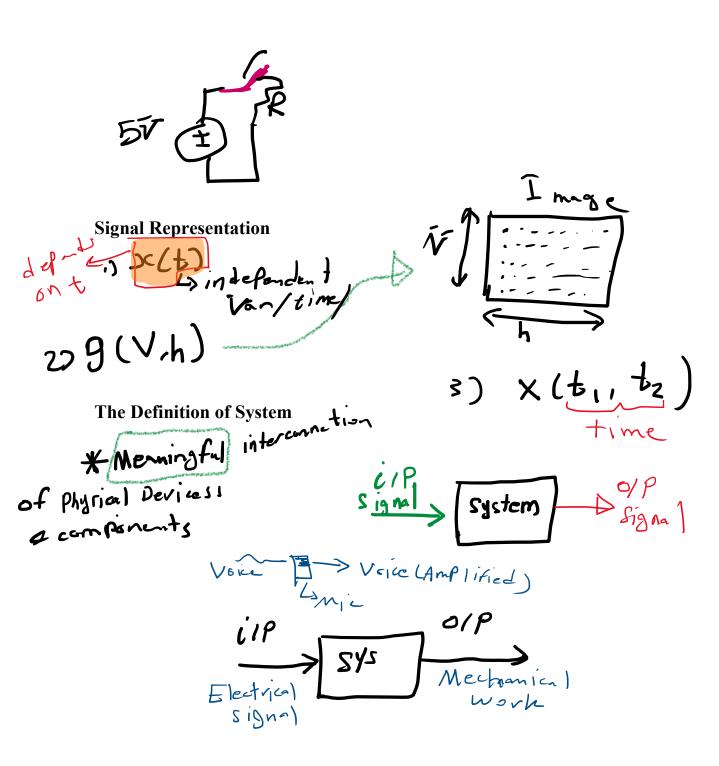


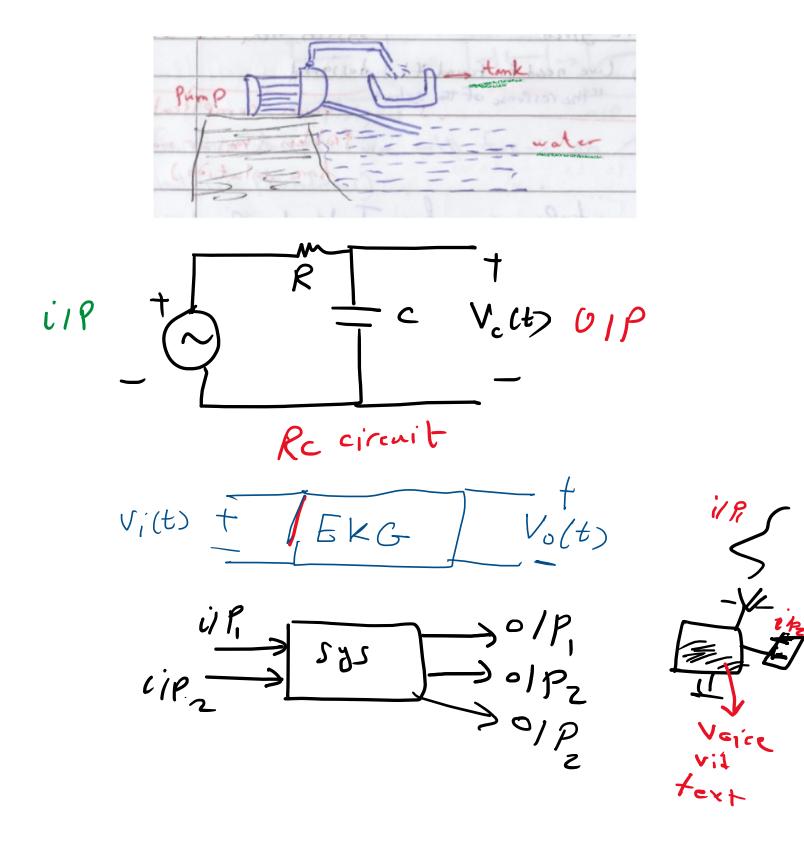
Q→5 p

* Carry Information * Must vary with Indelandant voriable.



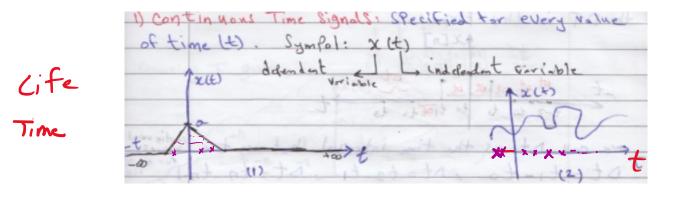


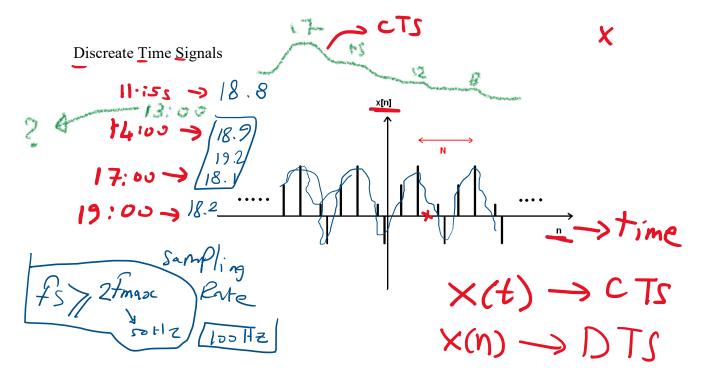


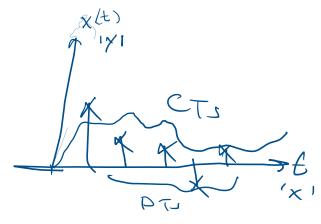


Continuous Time and Discreate Time Signals

Continuous Time Signals

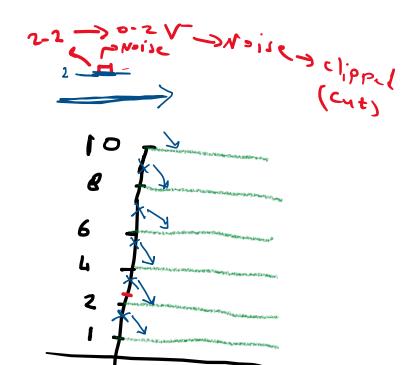


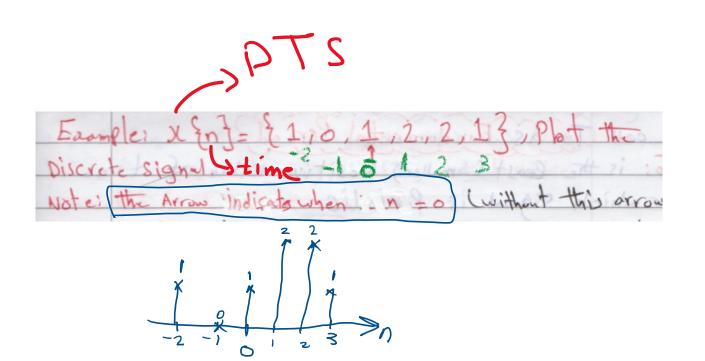


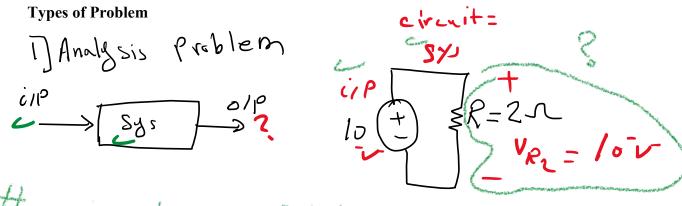




Why it's important?







there is always on Solution

