

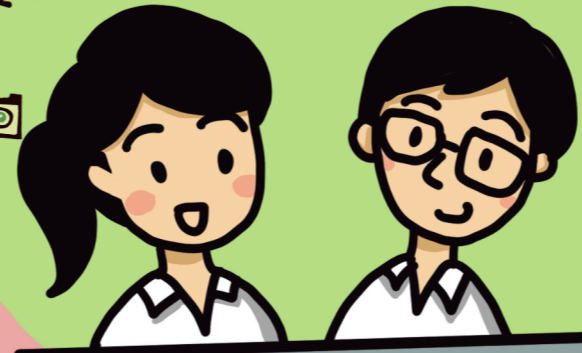
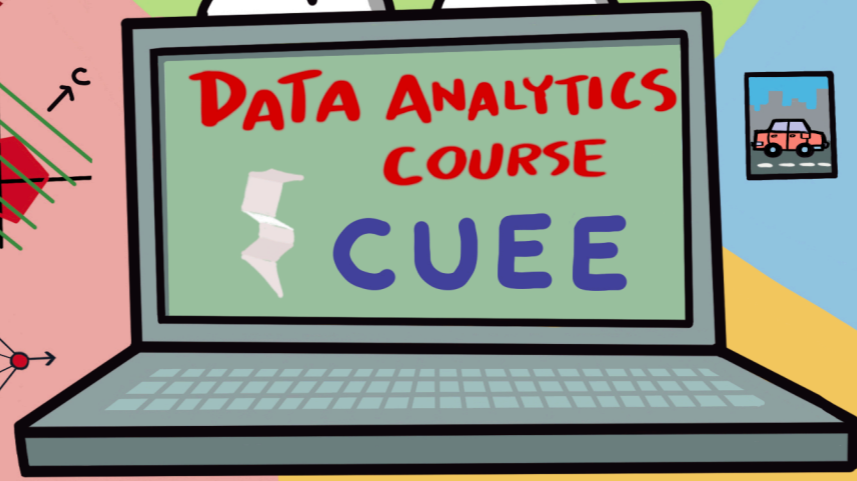
Note: EE___(X) → no. of credits

APPLICATIONS

MATH II

SIGNAL PROCESSING

MODEL



COMPULSORY

Linear algebra
EE 500 (1)

$$\begin{bmatrix} \leftarrow \\ \leftarrow \\ \leftarrow \end{bmatrix} = \begin{bmatrix} \leftarrow \\ \leftarrow \\ \leftarrow \end{bmatrix} \begin{bmatrix} \leftarrow \\ \leftarrow \\ \leftarrow \end{bmatrix}$$

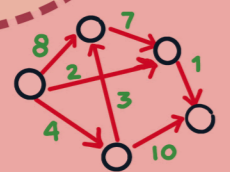
$A = LU, P^T P = I$

Easy

Optim Concept
EE 508 (1)

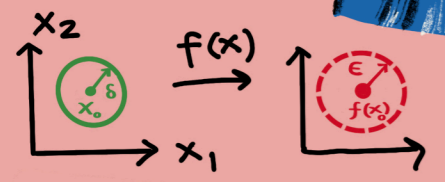
$\min f_0(x)$
s.t. $f_1(x) \leq 0$
 $h(x) = 0$

Graph theory/
Combi optim
EE 628 (3)

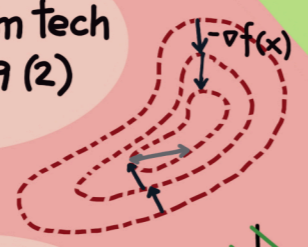


Challenging

Intro math
analysis
EE 504 (3)



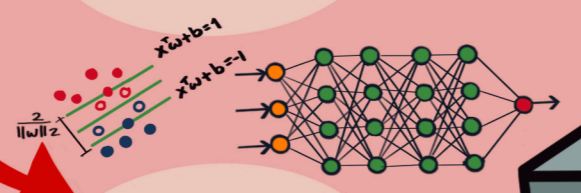
Intro optim tech
EE 509 (2)



Linear program
EE 510 (1)



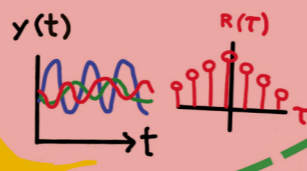
Optim ENG/ML
EE 511 (2)



Heuristic optim
EE 512 (2)



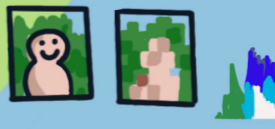
COMPULSORY
Random
process
EE 501 (2)



Multimedia
comm
EE 571 (3)

IoT
Fundamental
EE 541 (3)

Intro Comp
Vision
EE 570 (2)



Basic image
proc
EE 513 (1)

Digital video
proc
EE 515 (2)

Adaptive sig
proc
EE 516 (1)

Adv image proc
EE 514 (2)

Wavelet
EE 517 (1)

Time Series
EE 503 (1)

Reinforcement
Learning
EE 519 (1)

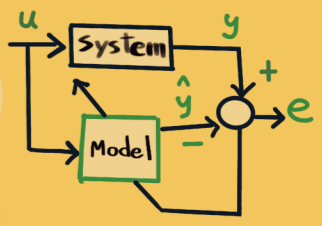


Neural Net DL
EE 518 (1)

Estimation
EE 523 (2)



System ident
EE 521 (2)



Stat Inference
EE 575 (3)

