

# COL F F4 (Machine Learning)

Aug 11, 2021

Last class:- Logistics]

→ Timing, Evaluations, Books, Pre-requisites  
→ [Registration:-]

Pia22a Code: col f f4

Course objective:-

- [ Working with fundamental  
material in ML.  
↳ (Working with material in ML)

- Learn  
algorithms

- What algorithm to  
apply in what setting?

- Understanding limitations  
(Abstracting out)

- Using real world problems  
as ML problems

- Eng Learning engineering  
aspects:-

"Getting your hands  
dirty"

Student Responses:-

- To take more Adv.  
courses in the  
area ML

- Becoming proficient  
in using ML  
model

- [ What algorithm  
to apply where? ]

- At Understanding  
Mathematics behind  
ML

- Limitations.

- How to phrase  
a real world problem  
in terms of an ML

- Deterministic → Probabilistic

- Eng Learning  
programming libraries  
for ML

END TO END

Why ML today? 22



## Machine Learning Settings -

Applications:- ✓

- Recommendation systems

- [Object Classification  
(Images)]

- Speech Recognition

- ~~As Predict Drug Discovery~~

[ - Predicting drug  
(side) effects based on  
Drug past data  
Drug Discovery ]

- Routing (Algorithms)

- ↳ Doing based  
data

- Google Assistant  
↳ suggesting

↳ Medical equipment

Nano  
Sensors (synthetic amino.)

- Intention Detection