



# Full Syllabus



## Course Title

Machine Learning for Healthcare

## Lecturer

Omer Noy Klein

## Semester

2024/2

## Course requirements

3 HW assignments during the semester.  
Readings.  
Student presentations.  
Final project.

## Final grade components

HW assignments  
Student presentations  
Final project

## Course schedule

Subject 1	Introduction
Subject 2	Clustering for Disease Subtyping
Subject 3	Classification for Risk Prediction
Subject 4	Data Science Toolbox
Subject 5	Medical Imaging
Subject 6	Survival Analysis
Subject 7	Causal Inference
Subject 8	Disease Progression Modeling
Subject 9	LLMs for Healthcare
Subject 10	Toward Precision Medicine

## Required course reading

## Optional course reading

## Comments

Please note that the syllabus is subject to changes!