

Here is a list of courses I want to take:

Wish list

Public Health

- Fall
- PH 240B Biostatistical Methods: Survival Analysis and Causality, by Mark van der Laan.
- PH 240C Biostatistical Methods: Computational Statistics with Application in Biology and Medicine, by Jingshen Wang.
- PH C242C Longitudinal data analysis(Fall)
- PH 252E Advanced topics in causal inference(Fall)
- Spring
- PH 240A Introduction to Modern Biostatistical Theory and Practice, by Mark van der Laan and Jingshen Wang.
- PH 252D Introduction to Causal Inference, by Maya Peterson.

Statistics

- Fall
- STAT 150 Stochastic process, by Benson Au.
- STAT 210A Theoretical Statistics, by Will Fithian.
- STAT 256 Causal inference, by Peng Ding.
- STAT 278B Neyman Seminar
- STAT 205A Probability Theory
- STAT 241A Statistical Learning Theory
- Spring
- STAT 210B Theoretical Statistics, by Martin Wainwright.
- STAT 155 Game theory
- STAT 205B Probability Theory
- STAT 215B Statistical Models: Theory and Application
- STAT 212A Topics in Theoretical Statistics
- STAT 230A Linear Model
- STAT 240 Nonparametric and Robust Methods

Math

- Fall

- MATH 118 Fourier Analysis, Wavelets and Signal Processing
- MATH 141 Elementary Differential Topology
- MATH 142 Elementary Algebraic Topology
- MATH 201A Introduction to Topology and Analysis(mainly topology)
- MATH 206 Banach Algebras and Spectral Theory
- Spring
- MATH 258 Harmonic analysis(Spring)
- MATH 143 Elementary Algebraic Geometry
- MATH 172 Combinatorics
- MATH 201B Introduction to Topology and Analysis(mainly analysis)
- MATH 208 C*-algebras
- MATH 214 Differentiable Manifolds
- MATH 261A Lie Groups(both fall and spring)

EECS

- Fall
- CS 285 Reinforcement learning, by Sergey Levine.
- EE 227BT Convex optimization, by Somayeh Sojoudi and Laurent El Ghaoui.
- CS 170 Efficient Algorithms and Intractable Problems(both fall and spring)
- EE 221A Linear System Theory
- CS 164 Programming Languages and Compilers
- Spring
- EE 120 Signals and Systems (both fall and spring)
- EE C222 Nonlinear Systems
- EE 223 Stochastic Systems: Estimation and Control
- EE 290 Theory of Multi-armed Bandits and Reinforcement Learning
- CS 282 Designing, Visualizing and Understanding Deep Neural Networks
- CS 172 Computability and Complexity
- CS 289 Introduction to machine learning
- CS C267 Applications of Parallel Computers

- CS 280 Computer Vision
- CS 288 Natural Language Processing
- CS 61 Great Ideas of Computer Architecture (Machine Structures) (Both fall and spring)
- CS 152 Computer Architecture and Engineering
- CS 162 Operating Systems and System Programming(both spring and fall)

IEOR

- Fall

- INDENG 262A Mathematical Programming I
- IEOR 160 Nonlinear and Discrete Optimization
- IEOR 162 Linear Programming and Network Flows(both fall and spring)
- IEOR 221 Introduction to Financial Engineering(both fall and spring)
- IEOR 268 Applied Dynamic Programming

- Spring

- INDENG 262B Mathematical Programming II
- ELENG 227C Convex Optimization and Approximation

Economics

- Fall

- ECON 101A Microeconomics (Math Intensive)
- ECON 101B Macroeconomics (Math Intensive)
- ECON 136 Financial Economics (Both spring and fall)
- ECON 140 Economic Statistics and Econometrics (Both fall and spring)
- ECON 207 Mathematical Economics

- Spring

Information

- Fall

- INFO 253A Front-End Web Architecture

- Spring