

AI-related MIT Classes

Note: Not all classes are offered each term.

EECS (course 6)

HCI

6.835 Intelligent Multimodal User Interfaces (Davis)

Healthcare

6.871J Machine Learning for Healthcare (Szolovits, Sontag)

Advanced Programming Methods

6.817J Principles of Autonomy and Decision-Making (Williams)

6.885 Probabilistic Programming and AI (Mansinghka, et al)

6.945 Large-scale Symbolic Systems (Sussman)

Biology

6.047/6.878J Computational Biology: Genomics, Networks, Evolution (Kellis)

6.049J Evolutionary Biology: Concepts, Models, and Computation (Berwick)

6.802J Computational Systems Biology: Deep Learning in the Life Sciences (Gifford)

Cognitive Science

6.804J Computational Neuroscience (Tenenbaum)

6.863J Natural Language and the Computer Representation of Knowledge (Berwick)

Hardware

6.812/6.825 Hardware Architectures for Deep Learning (Sze)

Leadership

6.S976 Engineering Leadership in the Age of AI (Nino)

Natural Language, Speech

6.806/6.864 Advanced Natural Language Processing (Andreas, Glass)

6.345 Automatic Speech Recognition (Glass)

6.863J Natural Language and the Computer Representation of Knowledge (Berwick)

Machine Learning

6.036 Introduction to Machine Learning (Jaillet, et al)

6.435 Bayesian Modeling and Inference (Broderick)

6.437 Inference and Information (Wornell)

6.862 Applied Machine Learning (Jegelka)

6.867 Machine Learning (Shah)

6.881 Optimization for Machine Learning (Sra)

6.883 Modeling with Machine Learning (Barzilay, Jaakkola)

6.S979 Topics in Deployable Machine Learning (Madry)

Robotics

6.141J Robotics: Science and Systems I (Carlone)

6.832 Underactivated Robotics (Tendrake)

6.834J Cognitive Robotics (Williams)

6.881 Intelligent Robot Manipulation (Lozano-Perez, et al)

6.882 Embodied Intelligence (Isola)

BCS (course 9)

Kanwisher: brain

Sinha: vision, computational neuroscience

Tennenbaum: computational neuroscience

BE (course 20)

Boyden: synthetic neurobiology

Media Lab (MAS)

Breazeal: personal robots

Herr: human augmentation

Maes: cognitive enhancement

Picard: affective computing