• Machine Learning Discussion Group (MLDG)
• CS 7790 - Artificial Intelligence Seminar
• CS 7794 - Natural Language Processing Seminar
• Statistics seminar

• OR 4740 - Statistical Data Mining
• CS 4780/5780 - Machine Learning for Intelligent Systems
• STSCI 4780 - Bayesian Data Analysis: Principles and Practice
• CS 4786/5786 - Machine Learning for Data Science
• ECE 5960 - Advanced Topics in Electrical and Computer Engineering. In fall 2014: Graphical Models
• ORIE 6127 - Computational Issues in Large Scale Data-Driven Models
• INFO 6150/CS 6788 Advanced Topic Modeling
• BTRY 6520 - Computationally Intensive Statistical Inference
• CS 6780 - Advanced Machine Learning
• CS 6783 - Machine Learning Theory
• CS 6784 - Advanced Topics in Machine Learning
• ORIE 6740 - Statistical Learning Theory for Data Mining
• ORIE 6750 - Optimal learning
• ORIE 6780 - Bayesian Statistics and Data Analysis
• STSCI 6940 - Selection, Aggregation and Dimension Reduction in Large-scale Problems.
• MATH 7740 - Statistical Learning Theory

• old courses (possibly no longer offered): CS 4758/6758 - Robot Learning, CS 4782/6782/BTRY 4790/6790 - Probabilistic graphical models, CS 6756 - Advanced Topics in Robot Learning: 3D Perception