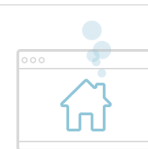


ml »

[View](#) [History](#)

# CS7641: Machine Learning - Georgia Tech OMSCS Course Materials



Can't find your way?  
[Visit udacity.com](https://udacity.com)

## Contents

- 1 [Overview](#)
- 2 [Course Staff](#)
- 3 [Resources](#)
- 4 [Forums and Office Hours](#)
- 5 [Exams](#)
- 6 [Academic Honesty](#)
- 7 [Orientation to GT OMSCS](#)
- 8 [Minimum Technical Requirements](#)
- 9 [Video Downloads](#)

## Overview

Machine Learning is a three-credit course on, well, Machine Learning. Machine Learning is that area of Artificial Intelligence that is concerned with computational artifacts that modify and improve their performance through experience. The area is concerned with issues both theoretical and practical. This particular class is a part of a series of classes in Machine Learning, and takes care to present algorithms and approaches in such a way that grounds them in larger systems. We will cover a variety of topics, including: statistical supervised and unsupervised learning methods, randomized search algorithms, Bayesian learning methods, and reinforcement learning. The course also covers theoretical concepts such as inductive bias, the PAC and Mistake-bound learning frameworks, minimum description length principle, and Ockham's Razor. In order to ground these methods the course includes some programming and involvement in a number of projects.

The course is divided into three parts:

- [Part 1 - Supervised Learning](#)
- [Part 2 - Unsupervised Learning](#)
- [Part 3 - Reinforcement Learning](#)

## Course Staff

### Instructors

- [Prof. Dr. Charles L. Isbell](#)
- [Prof. Dr. Michael L. Littman](#)

### Teaching Assistants

- Pushkar Kolhe (Course Developer)
- Himanshu Sahn
- Vivek Nabhi

## Resources

- [Syllabus](#)
- [Schedule](#)

- [Reading List](#)
  - [Coding Resources](#)
  - [Transcripts](#)
- 

## Forums and Office Hours

The Instructors and TA's will primarily use [Piazza](#) for answering your questions. The TA's will also conduct office hours on Google Hangouts. [Subscribe to our channel to find the schedule.](#)

---

## Exams

Exams will be proctored by ProctorU. [Click here for detailed instructions on setting up your ProctorU account and scheduling your exams.](#)

---

## Academic Honesty

All Georgia Tech students are expected to uphold the [Georgia Tech Academic Honor Code](#).

---

## Orientation to GT OMSCS

- [Orientation to the GT OMSCS Program](#)
- 

## Minimum Technical Requirements

Minimum requirements for optimal student experience on Udacity:

- Browser and connection speed: An up-to-date version of Chrome or Firefox is strongly recommended. We also support Internet Explorer 9 and the desktop versions of Internet Explorer 10 and above (not the metro versions). 2+ Mbps recommended; at minimum 0.768 Mbps download speed
- Operating system: PC: Windows XP or higher with latest updates installed Mac: OS X 10.6 or higher with latest updates installed Linux: Any recent distribution that has the supported browsers installed

### Georgia Tech Computing Guide

Georgia Tech's [Office of Student Computer Ownership](#) issues the following [Minimum Hardware Requirements](#) to incoming undergraduates. We recommend that you meet or exceed these guidelines to ensure you have sufficient computing power to complete all course work and assignments.

---

## Video Downloads

Video downloads are available [here](#) and on T-Square

This page was last edited on 2014/04/25 08:51:07.



POPULAR NANODEGREE PROGRAMS



STUDENT RESOURCES



UDACITY



INQUIRIES



Nanodegree is a trademark of Udacity  
© 2011–2017 Udacity, Inc.

