

CPSC 483 Course Overview

Tseng-Ching James Shen, PhD

- Class Schedule

Monday 19:00 – 21:45

- Instructor

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Office Hours: Monday 15:45 – 18:45

or by appointment

Cell Phone: 626-715-2736

- Textbook

A First Course in Machine Learning, 2nd Ed., Rogers and Girolami, Chapman & Hall

Python Machine Learning, Sebastian Raschka, PACKT Publishing

- Course Outline

1. Overview of Machine Learning
2. Data Collection Process
3. Data Preprocessing
4. Regression Algorithm
5. Classification Algorithms (1)
6. Classification Algorithms (2)
7. Clustering Algorithms
8. Hyper-parameter Tuning and Model Validation
9. Artificial Neural Network

Learning Expectation

- Midterm/Final exam
- Exercises
- Final Project
- Grading
 - Midterm – 30%
 - Final Exam – 30%
 - Finale Project – 40%
- Academic Dishonesty