Udacity Connect Intensive Weekly Program Schedule

Weekend	Session	Homework
Feb 10	Thinking Like a Machine Learnist	In the **Machine Learning Foundations** part of the online syllabus, complete the following modules: ● Welcome to the MLND program ● What is Machine Learning? ● MLND Program Orientation Finish the **Exploring the Titanic Survivors' Data(P0)** project.
Feb 17 - NO CLASS		
Feb 24	Model Evaluation and Validation	Finish the following lessons in the Machine Learning Foundations module: ● Training Models ● Testing Models ● Evaluation Metrics ● Detecting Errors ● Putting it all together ● **Practice Project: Bayesian Learning - Build a Spam Classifier** Review the **Predicting Boston Housing Prices** project.
Mar 3	Model evaluation and validation	Complete and submit the **Predicting Boston Housing Prices(P1)** project. In the **Supervised Learning** part of the online syllabus, complete the following modules: ● Review of the Spam Classifier practice project. ● Supervised Learning Intro ● Introduction to Regression, More Regressions, Regressions in sklearn ● Decision Trees, More Decision Trees ● Neural Networks, **do not do the Neural Nets Mini-Project as this will be covered in session next week.**
Mar 10	Supervised Learning	Finish the following modules under **Supervised Learning**: ● Math Behind SVMs, SVMs in practice ● Instance Based Learning ● Naive Bayes, Bayesian Learning, Bayesian Inference, **do not do Bayes NLP Mini-Project lesson as this will be covered in session next week.**

		• Ensemble B&B Review the **Finding Donors for CharityML** project.
Mar 17	Supervised Learning: Building a Classification System	Finish and submit the **Finding Donors for CharityML(P2)** project. In the **Unsupervised Learning** part of the online syllabus, complete the following modules: • Introduction to Unsupervised Learning • Clustering, More Clustering, Clustering Mini Project:**do not do the Clustering Mini-Project**; this will be covered in session next week. • Feature Scaling, Feature Selection.
Mar 24	Principal Component Analysis	Complete the following modules under **Unsupervised Learning:** • PCA, PCA Mini-Project: **do not do the PCA Mini-Project lesson**; this will be covered in session next week • Feature Transformation Review the **Creating Customer Segments** project.
Mar 31 - NO CLASS		
Apr 7	Unsupervised Learning: Data Clustering	Complete and submit the **Creating Customer Segments(P3)** project. In the **Reinforcement Learning** part of the online syllabus, complete the following modules • Intro to Reinforcement Learning • Markov Decision Processes
Apr 14	Reinforcement Learning	Finish the following modules under **Reinforcement Learning**: • Game Theory • More Game Theory Review the **Train a Smartcab to Drive** project.
Apr 21	Reinforcement Learning	Finish the **Train a Smartcab to Drive(P4)** project.
Apr 28	Deep Learning	Finish the following module under the Deep Learning module: • Deep Neural Networks
May 5	Convolutional Neural Networks	Finish the following module under the Deep Learning module and review the Dog Breed Classifier project: • Convolutional Neural Networks
May 12	Build a Dog Breed Classifier	Complete the **Deep Learning project: Building a Dog Breed Classifier(P5)** project.

May 19	Capstone Proposal	Finalize and complete the **Capstone Proposal(P6)**. Prepare a ~10/15 minute presentation (speech, powerpoint, etc.) on your implementation to your cohort for next week's session.
May 26 - NO CLASS		
Jun 2	Capstone Project Presentations	Work on your **Capstone Project(P7)**.
Jun 9	Capstone Project	Work on your **Capstone Project(P7)**.
Jun 16	Final Capstone Project Presentations	**GRADUATE!**