**Course timeline (subject to change)**

**Assignments are due by the beginning of the next meeting unless indicated otherwise**

| Week | Date | Topic | Notes | Assignments |
|------|------|-------|-------|-------------|
| 1 | 6/3 | Overview of Machine Intelligence | Course Introduction | zyBooks, Chapter 1 – 2 |
| | | Introduction to Python (input/output, variables, and expressions) | Variables and Expressions | |
| | 6/8 | Python Programming Fundamentals (strings, lists, and tuples) | Intro to Sequences | zyBooks, Chapter 3 |
| 2 | 6/10 | Python Programming Fundamentals (branching and loops) | Branching and Loops | zyBooks, Chapters 4 – 5 |
| 3 | 6/17 | **Review / Python Assessment** | | Assessment |
| 4 | 6/24 | Python Programming (functions, lists and dictionaries) | Functions and Dictionaries | zyBooks, Chapters 6-7 |
| 5 | 7/1 | Natural Language Processing (TextBlob and Spacy) | NLP with textblob and spacy | Lab 8 (NLP Lab) |
| 6 | 7/8 | Twitter, Maps and NLP Project | Mining Twitter Data and Visualizing Maps | **NLP Project (Due: 7/22)** |
| 7 | 7/15 | No Class | - | - |
| 8 | 7/22 | Introduction to Machine Learning (using k-nearest neighbors) | | |
| 9 | 7/29 | Introduction to Neural Networks | | |
| 10 | 8/5 | **Final Project (date subject to change)** | | |