CS 4900 Tentative Content

Section 1 Teamwork

1. Create a team
2. Use Scrum Model and Scrum Software to manage team and development progress
3. Use git/github for the teamwork
4. Deliver a project at the end of the semester

Section 2 Individual Work

1. Linux Basic
2. Agile Model, Scrum Model
3. Jira
4. Git/Github Basic
5. Git framework for team work
6. Python Basic
7. Deliver and publish a Python Project
   1. Pip, Conda, Github
   2. Deliver tools
   3. Test tools
   4. Virtual Environment
   5. Docker
   6. Host project on a web server, such as Heroku
   7. Dejango
8. Deliver a Machine Learning Model
   1. Data Collection, web crawler
   2. Data Visualization
   3. Train a Machine Learning model end to end