***CHM2320 - Inorganic Chemistry***

*Laboratory Schedule*

|  |  |
| --- | --- |
| **Lab Week** | **Experiment/Activity** |
| 1 | Introduction to MercuryDrawing chemical structures electronically |
| 2 & 3 | Synthesis and Characterization of MoO2(acac)2Searching for chemical information using SciFinder Scholar |
| 3 | Synthesis of Metal-DMSO ComplexesSearching the Cambridge Structural Database for bond length data |
| 4 | Synthesis of the Linkage Isomers of [Co(NH3)5(NO2)]2+ |
| 6 | Spectrochemical Series for Co(III) Complexes |
| 7 | Isolation and Characterization of the Optical Isomers of [Co(en)3]3+ |
| 8 & 9 | Synthesis and Characterization of Metal-DPPF Complexes |
| 10 | *Catch-up week* |
| 11 | Synthesis of cisplatin |
| 12 | *Preparation for presentations* |
| 13 | Oral Presentations |