# -- SCHEDULE OF EXPERIMENTS --

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Week of** | **Experiment** |  | **Assignment Due** |  | **Analysis** |
|  |  |  |  |  |  |
| Aug. 24 | **NO LABS** |  | **-------** |  |  |
|  |  |  |  |  |  |
| Aug. 31 | **NO LABS** |  | **-------** |  |  |
|  |  |  |  |  |  |
| Sept. 7 | Introduction and Molecular Modeling\* |  | **-------** |  |  |
|  |  |  |  |  |  |
| Sept. 14 | Recrystallization and Melting Point (T) |  | *Molecular Modeling\** |  | mp |
|  |  |  |  |  |  |
| Sept. 21 | Extraction of Caffeine (T) |  | *Recrystallization* |  | GC-MS |
|  |  |  |  |  |  |
| Sept. 28 | Distillation and Gas Chromatography (T) |  | *Extraction* |  | GC |
|  |  |  |  |  |  |
| Oct. 5 | Thin Layer Chromatography (T) |  | *Distillation* |  |  |
|  |  |  |  |  |  |
| Oct. 12 | Column Chromatography (T) |  | *TLC* |  |  |
|  |  |  |  |  |  |
| Oct. 19 | Friedel-Crafts Acylation (R) |  | *Column* |  | 1H-NMR, IR |
|  |  |  |  |  |  |
| Oct. 26 | Fischer Esterification (R) |  | *Acylation* |  | 13C-NMR |
|  |  |  |  |  |  |
| Nov. 2 | **NO LABS – Election Week** |  | **-------** |  |  |
|  |  |  |  |  |  |
| Nov. 9 | Aldol Condensation (R) |  | *Fischer* |  | 1H-NMR, mp |
|  |  |  |  |  |  |
| Nov. 16 | Hydrogenation of Fats (R) |  | *Aldol* |  | 1H-NMR |
|  |  |  |  |  |  |
| Nov. 23 | **NO LABS - Thanksgiving** |  | **-------** |  |  |
|  |  |  |  |  |  |
| Nov. 30 | **NO LABS** |  | *Hydrogenation* |  |  |
|  |  |  |  |  |  |
| Dec. 7 | **NO LABS** |  | **-------** |  |  |

\* The modeling assignment is not a lab report and does not follow the report guidelines.

(T) – Denotes Technique Experiment

(R) – Denotes Reaction Experiment