

# Organic Chemistry Laboratory

## Chem 6A & 6B

### Check-In and Check-Out Procedures

1. Clean and dry the plastic bin and all the equipment listed below. Make sure your bin contains all the equipment.
2. Go to the storeroom to replace any missing items and to return extra items.
3. Do not keep other lab equipment or chemicals in your bin. (Students are responsible for cleaning all their glassware and equipment.)
4. If you do not check out properly, your lab technique points will drop significantly.

### EQUIPMENT LIST

#### 3 - Beakers

1 - 30 mL      1 - 50 mL  
1 - 100 mL

#### 4- Erlenmeyer Flasks

2 - 25 mL      2 - 50 mL

#### 1 - Filter Flask (125 mL)

#### 3 - Funnels

1 - Büchner or Hirsch (Porcelain)  
1 - Polyethylene  
1 - Separatory (125 mL or 60 mL)

#### 1 - Graduated Cylinder (10 mL)

#### 5 - Test Tubes (13 x 100 mm)

#### 2 - Centrifuge Tubes (15 mL or 12 mL)

#### 1 - Brush (Test Tube)

#### 1 - Clamp (Test Tube)

#### 1 - Filter Funnel Adapter (Rubber)

#### 1 - Pasteur Pipette and Rubber Bulb

#### 2 - Spatulas

1 - semimicro      1 - micro

#### 1 - Stirring Rod

#### 1 - Test Tube Rack (Plastic)

#### 1 - Thermometer (-10 - 150 °C)

#### 1 - Watch Glass (65 mm)

#### 2 - Wash Bottles (Plastic)

#### 5 - Vials, shell with plastic cap

### 14/10 Microscale Kit

#### 4-Conical Vials

2 - 3.0 mL      2 - 5.0 mL

#### 1 - Claisen Adapter

#### 2 - Condensers

1 - Air  
1 - Jacketed Reflux

#### 1 - Craig Recrystallization Tube, 2 mL

#### 1 - Craig Tube Teflon Plug

#### 1 - Drying Tube

#### 1 - Flask, Round-Bottomed, 10 mL

#### 1 - Gas Delivery Tube

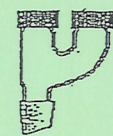
#### 1 - Gas Collection Tube

#### 1 - Hickman Distillation Still

#### 1 - Magnetic Stir Bar

#### 1 - Spin Vane Stir Bar

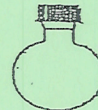
### MICROSCALE KIT



Claisen Adapter



Gas Collection Tube



Round Bottomed Flask



Conical Vials  
2-3ml & 2-5ml



Spin Vane



Threaded Screw Cap



Septum



D-Ring



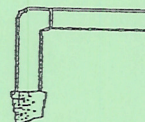
Condenser, Air



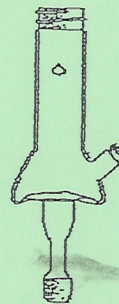
Condenser, Jacketed



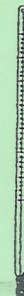
Craig Tube



Drying Tube



Hickman Still



Thermometer,  
10-150 °C