

**California State Polytechnic University, Pomona**  
**CHM 424L, Organic Analysis**  
**Tentative Laboratory Schedule, Fall 2017**

Week <b>1</b>	<b>Monday 9/25</b> Check-in, safety, notebook, demos: IR, NMR, TLC, make spotters	<b>Wednesday 9/27</b> Diol oxidation
<b>2</b>	10/2 Quantitative NMR analysis of mixtures	10/4 Spearmint oil analysis (column chromatography)
<b>3</b>	10/9 "Whisky" distillation	10/11 "Whisky" continued Benzoic acid isolation from Listerine
<b>4</b>	10/16 Listerine, continued	10/18 Listerine, continued Caffeine extraction
<b>5</b>	10/23 Caffeine isolation/analysis	10/25 Ibuprofen isolation
<b>6</b>	10/30 Ibuprofen analysis Eugenol isolation from cloves	11/1 Eugenol continued
<b>7</b>	11/6 Isolation of essential oils from catnip (steam distillation)	11/8 Analysis of catnip cont'd
<b>8</b>	11/13 Separation of mixture by column chromatography, identification of unknowns	11/15 unknown analysis, continued
<b>9</b>	11/20 Alzheimer's drug isolation from flower bulbs	11/22 NO LAB (Alzheimer's drug NMR spectra analysis)
<b>10</b>	11/27 unknown analysis, continued	11/29 <b>CHECK-OUT &amp; WRITTEN LAB FINAL/PROJECT</b>
<b>F</b>	12/4	12/6 <i>CHM 424 Lecture Final</i> <i>11:30 am – 1:30 pm</i>