

**Schedule of Experiments**

**Text:** Wade, *Organic Chemistry*, 9th edition.

**Laboratory manual:** California State University, Northridge, Department of Chemistry and Biochemistry, *Chemistry 333L Laboratory Manual*.

<u>Dates</u>	<u>Experiment, Pre-Laboratory Preparation</u>
Aug. 28 – Sept. 1	Check-in. Safety Review. CSU Northridge Chemistry 333L Manual, pp. 1–17. Oviatt Library Safety DVD.
Sept. 5–11	Melting Points. Evaluation of Purity by Melting-Point Determination. Melting-Point Determination of an Unknown. CSU Northridge Chemistry 333L Manual, pp. 18–28. Oviatt Library Melting-Point Determination DVD.
Sept. 12–18	Purification of Acetanilide by Recrystallization. CSU Northridge Chemistry 333L Manual, pp. 29–41. Oviatt Library Recrystallization DVD.
Sept. 19–25	Simple Distillation. Isolation of $\alpha$ -Pinene. CSU Northridge Chemistry 333L Manual, pp. 48–67. Modification: Skip the Boiling-Point Determination of an Unknown section. Oviatt Library Simple Distillation DVD.
Sept. 26 – Oct. 2	Molecular Modeling. Conformational Analysis with ChemDraw and Chem3D. CSU Northridge Chemistry 333L Manual, pp. 81–86. Wade, Sections 3-13 to 3-15.
Oct. 3–9	Distillation of Two Volatile Compounds With and Without a Vigreux Column. CSU Northridge Chemistry 333L Manual, pp. 68–73. Work together in pairs to do both distillations. Oviatt Library Fractional Distillation DVD.

