

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> |
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| Jan. 21–23 | Check-in. Safety Review. CSU Northridge Chemistry 333L Manual, pp. 1–17. Oviatt Library Safety DVD. |
| Jan. 28–30 | 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. |
| Feb. 4–6 | Purification of Acetanilide by Recrystallization. CSU Northridge Chemistry 333L Manual, pp. 29–41. Oviatt Library Recrystallization DVD. |
| Feb. 11–13 | Simple Distillation. Isolation of α -Pinene. CSU Northridge Chemistry 333L Manual, pp. 48–67. Modification: Skip the Boiling-Point Determination of an Unknown section. Oviatt Library Simple Distillation DVD. |
| Feb. 18–20 | Molecular Modeling. Conformational Analysis with ChemDraw and Chem3D. CSU Northridge Chemistry 333L Manual, pp. 81–86. Wade, Sections 3-13 to 3-15. |
| Feb. 25–27 | 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. |

