

# PHYSICAL CHEMISTRY LAB II

CHEM 3625

Spring 2021

---

<b>Instructor:</b>	Matthew Rowley	<b>Office Hours:</b>	Daily 1:00 pm - 2:00 pm
<b>Telephone:</b>	(435) 586-7875	<b>Office:</b>	SC-220
<b>Email:</b>	matthewrowley1@suu.edu		

Please include the course number in the subject line of all correspondence.

---

## Tentative Schedule

This class will meet on Thursdays from 3:30pm – 5:20pm in room 224 of the Science Center (SC)

**Week 1: Jan. 11 – Jan 15**

No Lab

**Week 2: Jan. 18 – Jan 22**

No Lab

**Week 3: Jan. 25 – Jan 29**

Exp 1: Quantum Dots and Particle in a Box – A Spectroscopic Study

**Week 4: Feb. 1 – Feb. 5**

No Lab – Analyze Quantum Dot Data

**Week 5: Feb. 8 – Feb. 12**

Exp. 2: Absorption Spectrum of Conjugated Dyes

**Week 6: Feb. 15 – Feb. 19**

No Lab – Analyze Conjugated Dyes Data

**Week 7: Feb. 22 – Feb. 26**

Exp. 3: Photophysics of Pyrene

**Week 8: Mar. 1 – Mar. 5**

No Classes this week (Spring Break!)

**Week 9: Mar. 8 – Mar. 12**

No Lab – Analyze Pyrene Data

**Week 10: Mar. 15 – Mar. 19**

Exp 4: Applications of Quantum Chemistry

**Week 11: Mar. 22 – Mar. 26**

No Lab – Analyze Computational Data

**Week 12: Mar. 29 – Apr. 2**

Exp. 5: Vibrational-Rotational Spectra of HCl/DCl

**Week 13: Apr. 5 – Apr. 9**

No Lab – Analyze HCl/DCl Data

**Week 14: Apr. 12 – Apr. 16**

Exp. 6: Calculation of  $\pi$ -type Delocalized Orbitals Using Hückle Theory

**Week 15: Apr. 19 – Apr. 23**

Final Exam (More details about the final will come)

**Finals Week**

No Final – You took it last week!