# Introductory Physical Chemistry (CHE 406)

<table>
<thead>
<tr>
<th>Potential Instructors*</th>
<th>Dr. Alice Haddy; <a href="mailto:aehaddy@uncg.edu">aehaddy@uncg.edu</a></th>
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<tbody>
<tr>
<td>Prerequisites</td>
<td>One year of chemistry beyond general chemistry, one year of calculus (MAT 191 and 292), and one year of physics (PHY 211 and 212).</td>
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| Corequisites           | BCHEM (B.S.): CHE 407 lab  
Other majors: None |
| Sample Course Materials| **Textbook**: *Physical Chemistry for the Life Sciences* by Atkins and de Paula  
More resources can be found through [http://global.oup.com/uk/orc/chemistry/lchem2e/](http://global.oup.com/uk/orc/chemistry/lchem2e/) |
| For Whom Planned      | For students whose programs require only one semester of physical chemistry (e.g., BCHEM (B.S.) majors and CHEM (B.A.) majors). |

## Topical Outline§
- The First Law
- The Second Law
- Phase Equilibria
- Chemical Equilibrium
- Microscopic Systems and Quantization
- Chemical Bonds
- Optical Spectroscopy and Photobiology

## Notes
Students cannot receive credit for both CHE 406 and CHE 461 toward an undergraduate degree.

* To request a comprehensive syllabus, you may contact the instructor for your section directly.

§ Subject to change