## General Chemistry I Laboratory (CHE 112)

<table>
<thead>
<tr>
<th>Potential Instructors*</th>
<th>Spencer Russell; <a href="mailto:sarusse2@uncg.edu">sarusse2@uncg.edu</a></th>
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<tbody>
<tr>
<td>Prerequisites</td>
<td>See Corequisites.</td>
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<tr>
<td>Corequisites</td>
<td>CHE 111</td>
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| Sample Course Materials | **Lab Manual:** *General Chemistry I for 112* by Bluedoor Publishing
|                         | Access through [https://tophat.com/](https://tophat.com/)    |
| For Whom Planned        | CHEM and BCHE majors & science majors                          |

### Topical Outline

- Safety
- Measurement and Recordkeeping
- Separation of a Mixture
- Synthesis of Aspirin
- Spectrophotometric Analysis of Aspirin
- Standardization of Sodium Hydroxide
- Titration to Determine Purity of Aspirin
- Thermochemistry: Heat of Solution
- Properties of Solutes in Aqueous Solution
- Dumas Method for Molecular Weight

### Notes

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

* Subject to change