CHE621 – Independent Study – Fall 2018

Instructor
Dr. Zachary Rodgers
Hoyt 366   Mail Box 199
X6289   rodgerzl@westminster.edu

Office Hours
M 2-3, T 11-12, R, 11-12, F 930-1030
Or by appointment

Meeting Time: 10:30 M

Work Hours: 3 Hr/Wk per Hr Enrolled

Course Description
This course will expose students to the research methods and skills necessary for a successful career in the field of chemistry.

Objectives
- Each student will formulate a targeted research goal with a detailed experimental plan.
- Students will be trained to plan for and identify potential experimental hazards.
- Students will collect, record accurately and permanently, and analyze all data from their experiments using advanced analytical techniques.
- Students will interpret and formulate hypothesis about their own data.
- Each student will prepare a formal report at the end of the semester that summarizes the work they performed and its potential implications for the research question at hand.
- Students will spend at least 40 hours in the lab throughout the semester for each hour enrolled in independent study.
- Students will provide weekly updates with the advisor to discuss recent and future experiments.

Academic Integrity
The College’s Academic Integrity Policy (AIP) will be strongly enforced. Violations of the AIP include cheating, misconduct, plagiarism, and providing false information. Academic dishonesty will not be tolerated. The first citation for academic dishonesty will result in a failing grade for the course. All citations for academic dishonesty will be reported to the Dean of the College, in accordance with college policy. Details of the AIP can be found in the Westminster College Undergraduate Catalog.

Grading System

<table>
<thead>
<tr>
<th>Grading Criteria</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satisfactory completion of six objectives by end of semester</td>
<td>A</td>
</tr>
<tr>
<td>Satisfactory completion of five objectives</td>
<td>B</td>
</tr>
<tr>
<td>Satisfactory completion of three objectives</td>
<td>C</td>
</tr>
<tr>
<td>Completion of less than three objectives or behaves in a manner deemed unsafe for laboratory work</td>
<td>F</td>
</tr>
</tbody>
</table>