CHE 674: Honors Research

Professor: Dr. Jessica Sarver
Email: sarverjl@westminster.edu
Meeting Time: Thursdays @ 10:30 AM
Office: Hoyt 364
Office hours: Consult posted schedule on office door, by drop-in, and by appointment.

Course description: Students enrolled in 674 are expected to conduct the honors research project that was previously approved through the CHE 662 proposal process. All experimentation, data collection, and analysis must occur with close mentorship from the faculty member. The student and advisor will work together to direct the course of experimentation with the goal of producing sufficient results to begin writing an honors thesis in CHE 682.

Requirements:
- For every 1 semester hour of credit received, the student is expected to put in 2-3 hours per week. The last number in the course code indicates the number of credit hours.
- The student and faculty member will hold a weekly meeting to discuss progress towards the research aims. This meeting may begin with a written weekly status report from the student.
- Documentation of laboratory work is required to show proof of experimental accomplishments.

Student outcomes: (At the end of this course, the student should be able to...)
- Perform approved experiments, including adhering to all appropriate safety and waste disposal protocols
- Collect relevant data from experimentation.
- Work independently in the laboratory
- Analyze data for relevance, accuracy, and precision
- Critically evaluate data and propose the next set of appropriate experiments.

Required materials: Journal articles, texts from previous courses, lab notebook, goggles

Course grading scale:

<table>
<thead>
<tr>
<th>If the student meets this criteria...</th>
<th>He/she will earn an...</th>
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<tbody>
<tr>
<td>Exceptional progress towards project aims, comes prepared for weekly meetings, meets required hours, excellent written report</td>
<td>A</td>
</tr>
<tr>
<td>Satisfactory progress towards project aims, comes for weekly meetings, meets required hours, satisfactory written report</td>
<td>B</td>
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<tr>
<td>Aims are not met, weekly meetings poorly attended, lack of time commitment, acceptable written report</td>
<td>C</td>
</tr>
<tr>
<td>Fails to write report</td>
<td>F</td>
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*The +/- can be added to the grade if the student produces a variation of the stated criteria

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 zero grade for the specific assignment. The second citation 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.