Instructor
Dr. Thomas Belval (thomas.belval@colorado.edu)
Office hrs: by appointment

Course Objectives
Learn the rudiments of planning, executing, and critically assessing scientific research.

Develop more proficiency at reporting technical work in different formats: oral presentations, posters, and a written thesis.

Add new knowledge by performing scientific research under the guidance of a research advisor.

Course Method
Students will work under the supervision of a faculty member or equivalent.

Students will communicate their progress in a series of reports, oral and written, ending with a written thesis.

Course Schedule
See the Schedule doc in D2L.

Grading basis
A = 90-100 % of possible course points
B = 80-90 %
C = 70-80 %
D = 60-70 %

Course points split (for spring semester)

<table>
<thead>
<tr>
<th>Assessed item</th>
<th>Weight</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outline for Final Thesis Report</td>
<td>10 pts</td>
<td>I will assess the outline: full credit if outline submitted; zero credit if outline not submitted. (Core function of outline is to support planning of report with research advisor.)</td>
</tr>
<tr>
<td>Final Thesis Report</td>
<td>60 pts</td>
<td>I and research advisor will separately assess the report. My assessment will focus on the quality of writing, and that the science looks plausible to a non-expert. The advisor will assess the quality and depth of the science as a technical expert.</td>
</tr>
<tr>
<td>Final Oral Presentation</td>
<td>30 pts</td>
<td>Only I will assess the oral presentation. My assessment will focus on how effectively the OP communicates the research.</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100 pts</td>
<td></td>
</tr>
</tbody>
</table>

TKB