

## PH315: Term Paper Rubric

<p><b>Topic:</b> The paper identifies a contemporary challenge and identifies aspects of the challenge in which physics plays a role (one way to think of “physics” is the mathematical relationships between quantifiable physical variables)</p>	/10
<p><b>Introduction</b> explains why your topic is relevant (motivation) and what the reader will get from reading your article.  <b>Conclusion</b> relates back to points made in the introduction. Interprets what your research and calculations mean for the reader. Calls out any challenges that remain unsolved</p>	/20
<p><b>Background information</b> that gives the reader context.</p>	/10
<p><b>Physics equation(s)</b> (mathematical relationship between quantifiable physical variables). Define the variables in the equation. Explain the meaning.</p>	/10
<p><b>Original calculations</b></p>	/10
<p><b>Communication of calculation</b></p>	/10
<p><b>Technical accuracy</b> is expected for simpler calculations, I will be more lenient on challenging calculations.</p>	/10
<p><b>Schematic</b> created by you that illustrates a physics idea. There is a caption directly under the schematic that helps the reader interpret.</p>	/10
<p><b>Graph</b> created by you that shows the relationship between two physical variables. There is a caption directly under the graph that helps the reader interpret. The graph + caption has a clear message and an appropriate amount of information, so the reader gains useful insight into the topic.</p>	/10