

## 2022 Che3460 – Assignment #2: Cover Art

**Due on Nov. 21<sup>st</sup> at midnight**

**Upload to Rater in “Assignment Two: Cover Art” (password: striking)**  
(but also email to instructor + TA using subject line “ChE3460 Cover Art Assignment”:  
[wilmer@pitt.edu](mailto:wilmer@pitt.edu) + [RIP36@pitt.edu](mailto:RIP36@pitt.edu))

Here you are asked to make a beautiful cover-art image for a scientific project. The scientific topic/concept of the cover art is of your choosing. Must be a finished product, although beauty is subjective, there are various graphical “glitches” that are objectively unacceptable for cover art (blurriness, “firefly” pixels in Cycles rendered images, and a range of other graphical artifacts). Typically, a cover image will require a printing resolution of 600 dpi, which for an 8” x 8” image would be 4,800 x 4,800 pixels (at least). **For this assignment, you are only required to create an image with a pixel resolution of 3,000 pixels x 4,200 pixels** (or greater, if you prefer, those are the minimum dimensions). Any software can be used to make the cover art image, but the end result should be *striking*.

One thing to keep in mind is that making good cover art is a process. You should have a brainstorming phase, where you discuss and/or sketch several ideas. Then after selecting an idea, you should make several close-to-finished versions and ask friends/colleagues which version they like best. Once you have a “best” one selected you can make a higher resolution version of it, make any final tweaks, and then submit it.

**Note:** There is no presentation component. The cover art must be self-explanatory. You are welcome to provide additional commentary to the class, but the image must stand on its own.