**COSMOS Writing/Communication Course**

**Cluster 5: Computers in Biophysics & Robotics**

**Instructor:** Jerry J. Huang  
**Location:** 3106 Mathematical Sciences/ Robotics Lab / Surge III Rm1309  
**Time:** Mondays and Fridays, 1:00 PM - 2:15 PM

**During this course students will:**

1. Design and use digital professional portfolio (website) to publish their academic experience in COSMOS
   * Robotics
   * Computational Biophysics
2. Create a final project report
   * An iGNITE PowerPoint Presentation and/or
   * An Expository Writing

**WEEK 1: Design Process and Academic Writing and Research**

Monday, July 8    1:00 PM – 2:15 PM

* Library Introduction Course (SURGE III Room 1309)

Friday, July 12    1:00 PM – 2:15 PM

* Create a Digital Professional Portfolio (DPP)
* Create a professional blog (or vblog) on DPP
  + Post TWO (2) reflections by next meeting (Friday 7/12)
  + About a paragraph (blog) or
  + 2-4 minute video (vblog)
* Design Process
  + From Prototype
  + To Playtest
  + To Polish

**WEEK 2:  iGNITE Presentations and Professional Portfolios**

Monday , July 15    1:00 PM – 2:15 PM

* Brainstorm in groups about Final Project
* Online Research
  + What about wikipedia?
  + Searching Abstracts of published academic writing
* Examining common issues and mistakes
  + Plagiarism: What it is and how to avoid it
  + Organizing sections of a technical document
  + Citing referenced works
  + Abstract, problem statement, related work
* Recommend daily posting blog (or vblog) reflections on DPP
* First weekly summary of Computational Biophysics due

Friday, July 19    1:00 PM – 2:15 PM

* What is an iGNITE Presentation?
* Plan and outline Final Project
* Critique Process (Ron Berger video)
  + Be Specific
  + Be Helpful
  + Be Professional / Kind
* Second weekly summary of Computational Biophysics due

**WEEK 3: Revising**

Monday, July 22    1:00 PM – 2:15 PM

* Begin an iGNITE Presentation (Using Microsoft PowerPoint)
* Editing for grammar, style, organization
* Finalize plan for Final Project

Friday, July 26     1:00 PM – 2:15 PM

* Continue work on DPP
* Continue work on iGNITE Presentation
* Third weekly summary of Computational Biophysics due

**WEEK 4: Presenting Your Research**

Monday July 29    1:00 PM – 2:15 PM

* Prepare and practice iGNITE Presentations
* Work on final project portion of DPP
* Write a report for Computational Biophysics

Friday August 2    1:00 PM – 2:15 PM

* In-class iGNITE Presentations (5 minutes per group)