**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)