**HP 101 – Honors MATLAB Module Spring 2014**

Syllabus

**Instructors:** Joe Quinzi & Jim Elmer

**Class Time:** Wednesday 6:00pm – 7:30pm

**Class Location:** CAMP 172

**Course Website:** http://www.clarkson.edu/class/honorsmatlab/

**Office Hours:** By appointment

**Contact Information:** elmerjc@clarkson.edu, quinzijn@clarkson.edu, and mcguffcj@clarkson.edu

**Learning Objectives:**

At completion of this course students should:

1. Experience and comprehend the complexities and rigor required for *open-ended* problem solving
2. Understand the value of teamwork in the academic environment
3. Have fun exploring topics of your own interest utilizing MATLAB as a computational tool

**Grading Structure:**

1. Project Proposal 15%
2. Overall Caliber of Project 25%
3. Oral Presentation and Project Demonstration 20%
4. Final Report 25%
5. Self and Peer Evaluations 15%

**Group Structure:**

Groups will consist of two students of similar MATLAB competency and comfort.

**Attendance:**

Attendance is required as announced by the TAs (see mandatory dates below). Note that more classes may be required in the future; the class will be informed appropriately. For all remaining regularly scheduled classes, the TAs will be available for help and questions. Attendance is *HIGHLY* recommended for work on the project, and may become mandatory depending on mid-semester progress.

**Tentative Calendar (Subject to Change):**

 January 21: Groups Formed by this Date

January 28: Initial Proposal Due

 February 18: In-class Initial Check-in Appointments

 March 4: In-class Mid-Semester Check-in Appointments

 March 25: In-class Final Check-In Appointments

 April 15: Project and Paper Submitted; Presentations Begin

 April 23: Finish Presentations

**Academic Integrity:**

All students are expected to submit their own original computer codes. It is acceptable to work together to understand the problem and assist one another in the learning process. As honors students, you should demonstrate the utmost ethics and professionalism in your work. Violations of the University’s academic integrity policies will be dealt with according to the *Clarkson Regulations*.