

**Math 2910.704: High Performance Computing in Mathematics
Honors Add on class**

Professor: Dana Brunson

E-mail: dana.brunson@okstate.edu

Office: 106 Mathematical Sciences Building

Office Phone: (405) 744-4455

Office Hours: Open door and by appointment.

Graduate Assistant: Phillip Doehle

E-mail: doehle@okstate.edu

Meetings: Tuesdays 3:30-4:20, MSCS 514

Online environment: Github repository <https://github.com/HPC-classes/2016-spring-math2910>

Overview: This one credit hour course will provide students with an introduction to the use and value of High Performance Computing in Mathematics and its applications. Students will learn the key issues in supercomputing while learning to use OSU's supercomputer Cowboy.

Prerequisites: Concurrent enrollment in a Mathematics course.

Syllabus Attachment: Please read the OSU syllabus attachment on the web, linked at <https://academicaffairs.okstate.edu/sites/default/files/documents/Spring%202016%20Syllabus%20Attachment.pdf>. This has a lot of important information, including instructions about disability accommodations. Please contact me privately during the first week of the course if you need accommodations as a result of a disability.

Grading: Your grade will be based on weekly assignments, participation and a final project as follows:

- Weekly assignments: 50%
- Participation: 25%
- Final project: 25%

Earning at least 90% guarantees an A, 80% guarantees a B, etc.