CMPT 479 - E100 Spec.Topics/Computing Systems

**Instructor(s):** Keval Vora

**Calendar Objective/Description:**
Spec.Topics/Computing Systems

**Instructor's Objectives:**
The course aims to dive deeper into the principles, techniques and solutions involved in designing modern parallel software systems. This is an advanced course for students who have already taken CMPT 431 before. This is a project based course, meaning that students are expected to work on a term project (with multiple intermediate deadlines), and course readings will mostly involve research papers. Background in software systems, databases and parallel computing is preferable.

**Prerequisites:**
see go.sfu.ca

**Topics:**
- Shared Memory & Distributed Memory Models
- Parallel Programming Models
- Consistency Models
- Scalable Analytics

**Grading:**
Details about grading will be discussed in the first week of class.

**Academic Honesty Statement:**
Academic honesty plays a key role in our efforts to maintain a high standard of academic excellence and integrity. Students are advised that ALL acts of intellectual dishonesty will be handled in accordance with the SFU Academic Honesty and Student Conduct Policies (http://www.sfu.ca/policies/gazette/student.html).