NORTHEASTERN
STATE UNIVERSITY

College of Science and Health Professions
Department of Mathematics and Computer Science
Spring 2017

CS 4553 Parallel Programming (3 Credits)

1. **Instructor:** Nathan Bloomfield, Ph.D.
   - **Email:** `bloomfie@nsuok.edu`
   - **Office Location:** SC 252
   - **Office Hours:** MWF 7–8, 10–11, 1–2
   - **Website:** `nbloomf.github.io/classes/parp`
2. **Course Delivery Mode:** Face-to-face discussion with video lectures to be viewed outside of class
3. **Class Days and Times:** MWF 2–2:50 in SC 146
4. **Course Prerequisites and/or Corequisites:** CS 3403 Data Structures and MATH 3023 Discrete Mathematics.
5. **Catalog Description:** An introduction to parallel programming using the latest parallel programming paradigms. Emphasis is placed on analysis, design and implementation of parallel programs.
6. **Instructional Methods:** This class is a sattelite of Applications of Parallel Computers. Students will watch recorded lectures online, which we will discuss in class.
7. **Learning Outcome Assessment Methods:** Grades will be based on the following assignments.

(40%) **Quizzes:** Each lecture is followed by an online quiz; the best of three attempts is recorded.
(60%) **Homework:** There are three programming assignments and one final project.

8. **Instructional Materials.** None.
9. **Class and Instructor Policies:** Consistent and punctual attendance is both expected and required for your successful completion of the course.
10. **Academic Policies and Required Information:** Please go to

    `http://offices.nsuok.edu/academicaffairs/SyllabiInformation.aspx`

    for important information pertaining to:

    - Academic Misconduct
    - Americans with Disabilities Act (ADA) Compliance
    - Inclement Weather/Disaster Policy
    - Teach Act
    - Release of Confidential Information (FERPA)
    - Student Handbook
    - Textbook Information
    - Title IX
11. **Class Calendar:** Students will present their projects, take the computer based exam, and submit their posters and papers during the last 2 weeks of the class. The final will be given during finals week.