UNIVERSITY OF REGINA
DEPARTMENT OF COMPUTER SCIENCE
CS 802 - Parallel Computing (Spring/Summer 2021)

Draft Version

Information

Class time: 7:00 pm on Mondays

Class location: Remote Learning

Instructor: Dr. Qian Yu

Email: **Qian.Yu@uregina.ca**

  (the best way to communicate with the instructor after class is by email)

Course Site: UR Courses

  (All the information and materials will be provided through UR Courses. Due to the remote learning setting of the course, it is your responsibility to check UR Courses frequently. Otherwise, you may miss important information or deadline)

Course delivery through Zoom:

  Zoom Info will be provided here later

Office Hours:

  Through Zoom, date/time to be provided later or by appointments

Reference Books (Optional)

- Parallel Programming, Techniques and Applications using Networked Workstations and Parallel Computers. B. Wilkinson, M. Allen. Second Edition.
- Introduction to Parallel Computing. https://computing.llnl.gov/tutorials/parallel_comp/
- Introduction to Parallel Computing, Design and Analysis of Algorithms. V. Kumar, A. Grama, A. Gupta, G. Karypis
- Parallel Processing, from Applications to Systems. Dan I. Moldovan

Class Notes, Assignments and Projects

  You can access course files, such as classnotes, projects, and assignments from UR Courses

Topics

  The main topics we will discuss in this class are in parallel computer system, parallel algorithm, parallel programming, parallel technique and application.

(Note: This list of topics is subject to change, depending on the specific background of the students, course delivery and time constraints.)

Grading Scheme*

Written Assignments	(15 %)
Programming Assignments	(15 %)
Project	(35 %)
Presentation	(05 %)
Examination	(30 %)
Total	100%

*The grading scheme is subject to change later if found necessary. If there is a change, the instructor will let students know in class, as well as a note will be posted on the UR Courses.

NOTES

1. Instructor reserves the right to ADD or SUBTRACT up to 5% from the computed grade in the class, based upon instructor's subjective assessment of your participation and work.
2. The format of the exams is not final confirmed, how to conduct the exams will be communicated later.
3. DUE DATES for assignments and project will be given with the assignments and project. Late submissions without sufficient reason are NOT acceptable.
4. All assignments and projects need to be submitted electronically through UR Courses. Please make sure it is clearly readable and understandable for the submitted files.
5. Any student with a disability who may need accommodations should discuss these with the course instructor after contacting the Coordinator of the Disability Resource Office.
6. Cooperation on assignments or project is generally encouraged, but must be limited to verbal discussion. Refer to the section on Discipline Regulations in the General University Calendar.