

**SFWRENG 4F03**  
**Parallel Computing**  
**Winter 2020**

# **01 Introduction to the Course**

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# Instructor: Dr. Asghar Bokhari

- Assistant Professor, Dept. of Computing and Software.
- M.S.E.E. University of Oklahoma.  
M.Sc. Ph.D., McMaster University.
- P.Eng. (Licensed Professional Engineer in Ontario).

# My Contact Information

- Office: ITB 212.
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- Office hours: Tuesdays 15:00-16:00

Please use **McMaster e-mail** for all correspondence, NOT Avenue.

## Lectures:

Mondays, Thursdays: (12:30 -13:20) BSB 106

Tuesdays: 13:30 - 14:20 BSB 106

# Other Instructional Staff

- Noel Brett `brettn@mcmaster.ca`
- Jianpeng Liu `liu433@mcmaster.ca`

Note: It is your responsibility to read detailed course outline posted on course web page.

# Learning Objectives

To study high performance computer systems: RISC processors, memory subsystems, network of workstations, attached processors, parallel multi- processors, vector and array processing;  
software systems: writing parallel and distributed programs using MPI, PVM, Pthreads, openMP;

# Required Resources

- **Textbook:** An Introduction to Parallel Programming by Peter S. Pacheco, Morgan Kaufmann. ISBN 978-0-12-374260-5.

# Marking Scheme

Assignments	30%
Midterm test (Feb 11)	30%
Final exam	40%
<b>Total</b>	<b>100%</b>



# Assignments

- Assignments will be posted on the course web page and submitted in drop boxes for each project, through Avenue-to-Learn.
- Grading of assignments will be based on correct fulfilment of all requirements specified in the documents.
- Late submissions will be marked with a penalty of 20% per day.
- Remarking requests will be entertained only within 7 days of the date of return of a graded assignment.

# Academic Dishonesty

- Students are expected to exhibit honesty and use ethical behavior in all aspects of the learning process.
- Academic dishonesty consists of misrepresentation by deception or by other fraudulent means.
- Academic dishonesty includes:
  - ▶ Plagiarism.
  - ▶ Copying.
  - ▶ Improper collaboration.
- Academic dishonesty can result in serious consequences.
- **Your work must be your own. Plagiarism and copying will not be tolerated!**
- Students may be asked to defend their written work orally.

# Title

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- Template!