This course concerns programming in procedural languages, including procedures and functions, data representation, control structures, and program organization. Primary focus is on C.

**Course Materials:**
**Textbook:** The C Programming Language (2nd edition) – Kernighan and Ritchie

**Evaluation:**
Assignments (2): 20%
Mini Projects (2): 40%
Final Exam: 40%

Note: A final grade of at least 40% is required for the final exam in order to receive credit for the course.

**Subject Overview:**
- Introduction to C
- Compilation; multiple files; targets/architectures
- Optimization
- Variables, pointers and data structures
- Dynamic allocation and memory management
- Structs and function pointers
- Operators and expressions
- Control flow
- IO
- Libraries

**Additional Notes:**
- Assignments will only be graded if they include a signed cover page with your correct student number stapled to the front. See the COSC home page to generate a cover page with barcode.
- Please read the department's policy on medical notes on the COSC home page. Other reasons may be used for granting extensions or other accommodations, at the instructor's discretion, but only if the instructor is contacted in advance of assignment due dates.
- All assignments will include only a due date; this due date applies to both electronic and physical submission. Late assignments will not be accepted.
- All assignments will be assumed to be compiled and executed on Sandcastle, unless otherwise noted. Please ensure compatibility.
- As part of Brock University's commitment to a respectful work and learning environment, the university will make every reasonable effort to accommodate all members of the university community with disabilities. If you require academic accommodations related to a permanent disability to participate in this course, you are encouraged to contact the Student Development Centre Services for Students with Disabilities (4th Floor Schmon Tower ext. 3240) and also to discuss these accommodations with the instructor.
- March 6th is the last day for voluntary withdrawal without academic penalty. At least 15% of final
grades will be available by February 27th.