CIS*2750 Software Systems Development and Integration
Winter 2021

UNIVERSITY of GUELPH

School of Computer Science

1   INSTRUCTIONAL SUPPORT

Instructor:	Dr. Denis Nikitenko
Office:	N/A - online instruction only
Office hours:	Online, by appointment only. Details will be posted on the course website.

Pre-requisites:	CIS*2430, CIS*2520
Credit Weight:	0.75

Course format

Lectures ands labs

The course will be offered online, in a synchronous format. The course notes will be delivered online during scheduled times, recorded by the instructor, and posted on the course website.

Un less otherwise noted, the lab times will be used for advising and consulting with the Teaching Assistants. Students will be able to schedule one-on-one virtual meetings with the Teaching Assistants. Details will be announced on the course website.

Assessment

The course will be evaluated using a series of programming assignments, which will form a single project. The assignment evaluation may include one-on-one interviews with TAs.

Topics

- Advanced programming concepts in C
- Using and designing software libraries
- Testing and debugging
- Additional C concepts and tools
- Standards in computing
- Multi-language applications
- Web programming and scripting languages
- Graphical user interfaces: design and evaluation
- Introduction to database design and SQL
- Working with databases and SQL