

# F22 CIS\*3760 Sprint 1

Please create a command line utility that can search University of Guelph undergraduate courses offline. For example: “coursesearch CIS3760” prints course offering information (times, locations, etc) for CIS\*3760.

Before you start, create one team on <https://gitlab.socs.uoguelph.ca> with all of your team members as developers. Also add as developers:

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Sprint 1 restrictions and guidelines:

**Step 1:** Download the .zip file from CourseLink containing all of the courses in HTML format.

**Step 2:** Parse the course information using Python 3 and store the course info in a file.

Considerations:

- What does your course data structure look like?
- What format will your processed file be? JSON, XML, CSV, etc.

**Step 3:** Create a Python 3 command line program (ideally runs on Linux, OSX, and Windows, but at least on Linux) that can perform searches on the course data. This program loads the course data from the file you created in Step 2, stores it in memory, and performs searches on it. It does not modify the course data.

The end products for users are:

- A program/script that generates the course data file you need to run your CLI. The user runs this once.
- The search CLI which searches the file generated above. Ideally a person can search more than once before exiting.

**Research:** spend a little time looking at Visual Basic for Applications (VBA) for Office.

Other considerations/restrictions:

- Install the minimum software needed to accomplish the goals. **Ideally no external libraries or non standard imports.**
- The sprint ends Monday September 19th at 11AM. Do not modify the sprint1 branch after this time. If you do, the team will lose marks. Start sprint 2 work on a new branch.