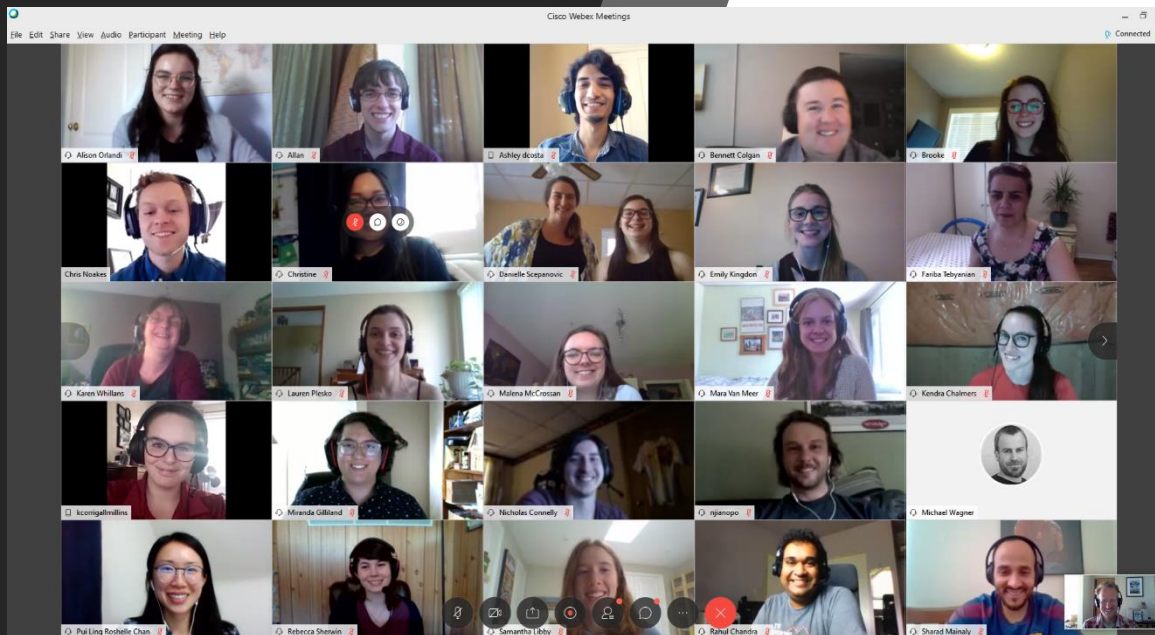


GIS Post Graduate Program 2020-2021 Orientation

Fleming GIS



School of Environmental &
Natural Resource Sciences
Frost Campus | Fleming College

Agenda

- The GIS Team
- The Program Courses and Schedule
- Communications and Fleming Services
- Program Testing and Responsibilities
- Collaborative Projects
- FAQ
- Final Thoughts and Date Summary



The Academic Team

Technologists

- Kevin Rabjohn

Administration

- Tania Cleric
 - Acting Dean, SENRS
- Lisa Kraemer
 - Acting Academic Chair
- Shawn Morgan
 - Program Coordinator

Fall Professors

- Geoff Clark
- Kendra Chalmers
- Frank Kenny¹
- Karen Whillans
- Marikka Williams
- Shawn Morgan

1: Denotes part time

1st Semester:

Common between all programs

- GIS Database Principles
- Remote Sensing and Image Analysis
- Problem Solving and Programming
- Web Design And Programming
- Geovisualization I
- Spatial Analysis I
- Geodesy
- Surveying and CAD Mapping
- ~~Survey Camp~~ *Moved to between Winter and Spring Semesters*

2nd Semester courses:

4 common courses



GIS Applications Specialist

- GIS Cooperative Project Planning And Management
- Advanced Remote Sensing
- Web GIS Development
- Environmental Modeling
- GIS Database Development
- Customization of GIS Applications
- Spatial Analysis II

GIS Cartographic Specialist

- GIS Cooperative Project Planning And Management
- Advanced Remote Sensing
- Web GIS Development
- Environmental Modeling
- Geovisualization II
- Web Communication
- Municipal GIS

TBD: Survey Camp last week of April or first week of May

3rd Semester (2.5): (2 months)

Everyone:

- GIS Collaborative Project

GIS Applications Specialist:

- GIS Data Management

GIS Cartographic Specialist:

- Geovisualization III





Academic Schedule

- June 25th, 2021
 - GIS Open House and Last Day of the program
 - Online virtual event is planned
 - Participation is mandatory
 - More details in back half of Winter semester

<https://flemingcollege.ca/admissions/academic-schedule>

Communications

- **College** <http://Mycampus.flemingcollege.ca>
 - Schedule, Official messages from College (like school closures)
 - Access your “H” Drive through “FILEWAY”
- **Program** <https://department.flemingcollege.ca/program-gis>
 - General information about being in the program (Awards!)
- **Course Brightspace (Desire2Learn)** <http://fleming.desire2learn.com>
 - Official course pages which instructors’ monitor
 - *Dropbox* for most submissions
 - *Quizzes* for Tests, Exams and Quizzes
 - *Marks* for tracking your progress
- **Course Outline**
 - The official course plan, requirements and breakdown of marks
 - If any other communication differs, this document takes priority
 - Important to read and keep a copy for future reference
- **Virtual *Microsoft Teams***
 - Online and In-person can instant message
 - Requires a microphone to “call” and webcam to “video call”
- **Email** first.last@flemingcollege.ca
 - Students must use their official Fleming email address

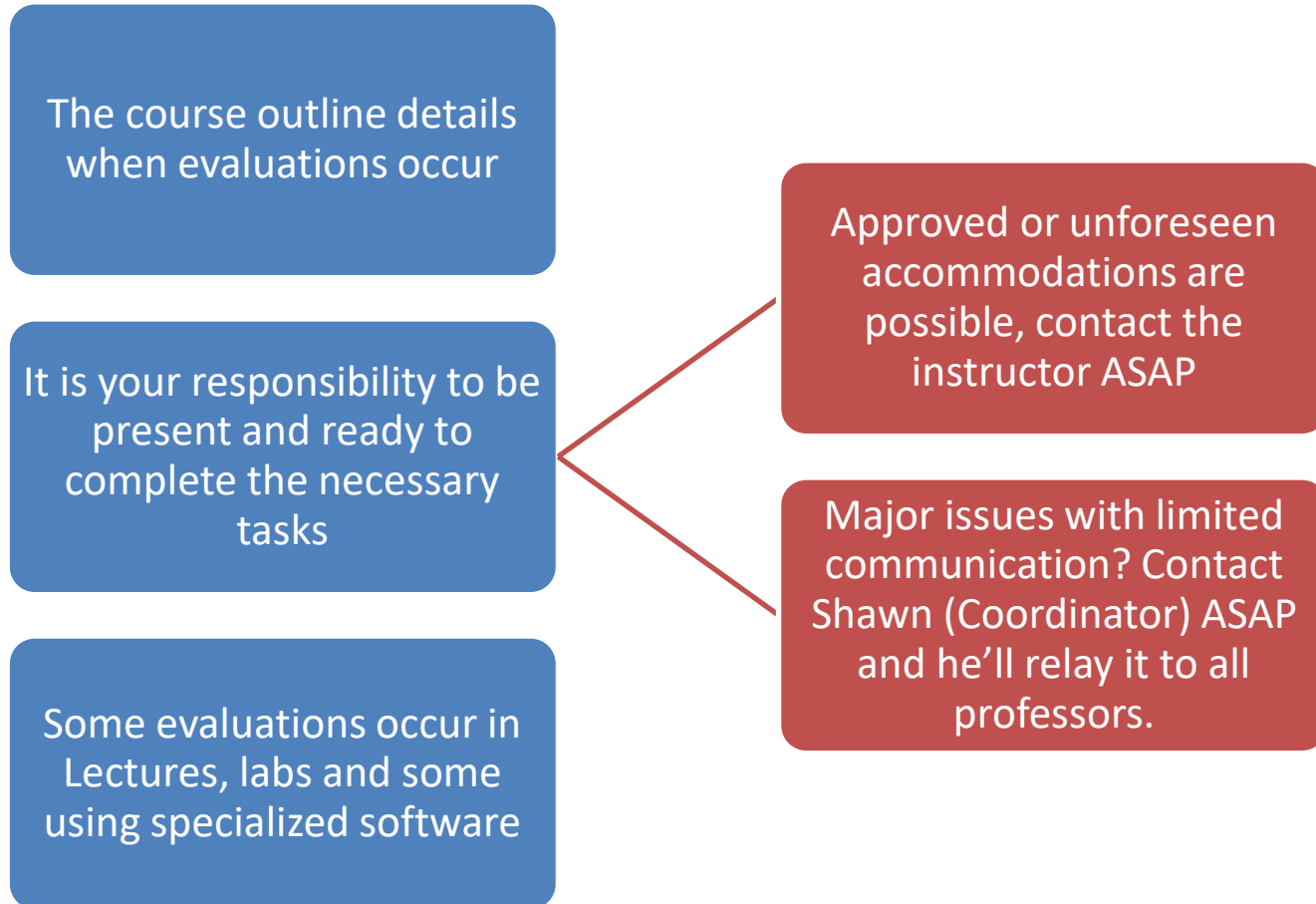
H Drive

- 3GB of space allocated for coursework
- It is a network drive that follows you to any Fleming lab computer - including the VDI
 - You can upload and download files from this environment using Mycampus website
- **BACKUP BACKUP BACKUP! (Onedrive?)**

Computers

- VDI (Online students) virtual lab is shared
 - Please log off and not disconnect from your session, otherwise the “seat” is unavailable for someone else
 - Use the H: to store your files, since the C: will be cleared when you log off
 - Ideally use your own computer and not the VDI.
 - If you have personal or VDI computer problems let your instructor know, as well let Kevin know and we may be able to try to help.
 - NOTE: You are responsible for your own computer hardware and software, but we’re happy to try and help.

Exams, Tests and Quizzes



Respondus Monitor and Lockdown Browser

- LockDown Browser is a separate browser that locks your computer during an evaluation. It is a separate download and independent browser.
- Respondus Monitor is a webcam feature for LockDown Browser that records students during an evaluation.

Your Responsibility at Fleming

- Student Rights and Responsibilities
 - <https://department.flemingcollege.ca/srr/>
 - Respect students, faculty, staff, and the facility
- <https://flemingcollege.ca/PDF/Fleming-College-Academic-Regulations.pdf>
 - Copying a file, code, paragraph, or any other works of another student is considered plagiarism.
 - Getting HELP from another student (where it is not explicitly prohibited by the task) is okay. Never submit another's **WORK OR IDEAS** as your own.
 - Always document and communicate peer help in your submissions

What is generally encouraged



HELPING EACH
OTHER THROUGH
TECHNICAL
CHALLENGES



DISCUSSING CLASS
LECTURES AND
LABS FOR DEEPER
UNDERSTANDING



COMPARING FINAL
RESULTS AND
DISCUSSING
DIFFERENCES



SHARING
UNMODIFIED
DOWNLOADED
DOCUMENTS/DATA
FROM D2L ETC

*** THESE ARE JUST EXAMPLES. ALWAYS CONSULT
WITH YOUR INSTRUCTOR FOR CLARIFICATION***

What is NOT permitted

Working together on an individual task

Individually doing all of the work for a group

Copying or sharing analysis results, files and programming/markup code

Providing any analysed data to others'

Using the internet or communicating with anyone during any evaluation where it is not permitted

Communicating the questions or answers to evaluations to those in later lab sections

*** These are just examples. Always consult with your instructor for clarification ***

GIS Collaborative Project

- The best part of GIS Specialist programs

Timeline:

- January to April semester
 - students choose projects and write their project proposal in teams of 3.
- May and June semester
 - Collaborative projects are completed (full time!)
- Supplied by GIS industry, municipality and government clients
- further develop and apply GIS knowledge while encouraging independent learning, time management skills and the importance of teamwork.

<http://geocommunity.net>

FAQ

- Can I work while taking the program?
 - Past students recommend against this, at least for the first semester. Students have said Part-time jobs with very flexible schedules can work.
- I can work in May and June, right?
 - With only two courses, it might seem so. Your collaborative project requires your attention for 4 of 5 days per week. Students taking employment during this time often fail
- Independent Learning Week??
 - Generally vacationing is discouraged. This time is a normally scheduled week with only classes cancelled. You are encouraged to continue working on assignments and preparing for the back-half of the semester.
- Who do I appeal my marks to?
 - This is a post-graduate program. We do expect a level of professionalism. There is a formal appeal process which requires you to first talk with your instructor, then coordinator, and finally the Academic Chair. You must have documentation backing your claim.
- What Scholarships and Awards are available?
 - See our department website
<https://department.flemingcollege.ca/program-gis/awards/>

Getting Help

- On Campus
 - Campus access is not permitted due to COVID restrictions.
- The student experience portal has links to everything you need virtually: <https://flemingcollege.ca/student-experience>
- Personal Counselling
 - This program is intense. PLEASE take care of yourself, mind and body. If you need to talk with someone to help manage stress, contact <https://department.flemingcollege.ca/counselling/>
- Tutoring
 - Please use this valuable service by booking times with the tutor, who often is a past-graduate of the program.
<https://flemingcollege.ca/student-experience/tutoring-and-academic-skills>

\$\$\$ Want to be a peer tutor for this or other programs?

Contact melanie.frain@flemingcollege.ca

Final Thoughts

- The GIS Program is as much about the content as it is the people around you. Get to know them and be supportive, help and listen.
- Plan your “workday” and include breaks, fun and healthy eating.
- Got a question? ASK! Your instructor, a tech, fellow classmate or Google!