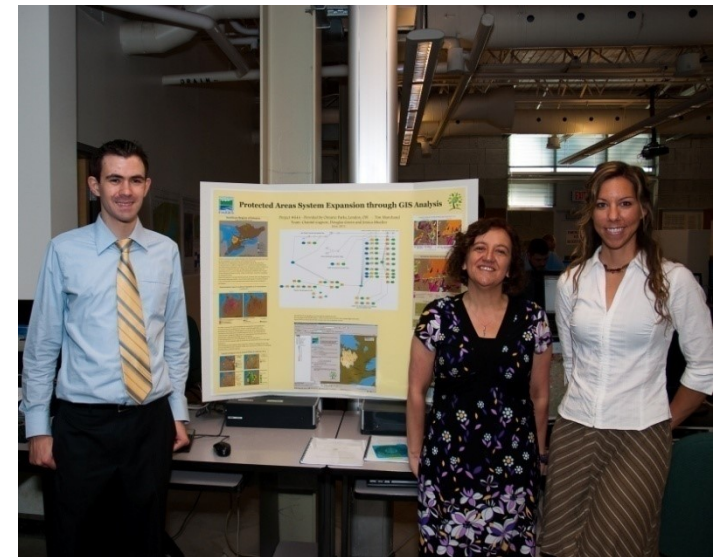




**School of Environmental &  
Natural Resource Sciences**  
Frost Campus | Fleming College



# GIS Post Graduate Program 2018 Orientation



# Agenda

- The GIS Team
- The Program Courses and Schedule
- Communications and Fleming Services
- Program Testing and Responsibilities
- Survey Camp (Bark Lake, China, Online)
- Collaborative Projects
- Optional Conferences
- FAQ
- Final Thoughts and Date Summary



# The Academic Team

## Technologists

- Kevin Rabjohn
- Tim Wykes

## Bean Counters

- Brett Goodwin
  - Dean, SENRS
- Rick Gray
  - Academic Chair (until October)
- Shawn Morgan
  - Program Coordinator

## Fall Professors

- Frank Kenny
- Karen Whillans
- Lawrie Keillor-Faulkner<sup>1</sup>
- Marikka Williams
- Pauline Norris<sup>1</sup>
- Shawn Morgan

1: Denotes part time

# 1<sup>st</sup> 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 (Week 9)



## 2<sup>nd</sup> 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

# 3<sup>rd</sup> Semester (2.5): (2 months)

Everyone:

- GIS Collaborative Project

GIS Applications Specialist:

- GIS Data Management

GIS Cartographic Specialist:

- Geovisualization III





# Academic Schedule

- June 21<sup>st</sup>, 2019
  - GIS Open House and Last Day of the program
  - Attendance Is Required!
  - Online students must be in Lindsay\*
    - Not attending is possible, but think of this like missing a test and having to do alternative work

<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 Skype For Business**
  - Online and In-person can instant message
  - Requires a microphone to “call” and webcam to “video call”
- **Email** [first.last@flemingcollege.ca](mailto: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
  - Online students can access their H drive through the Virtual Desktop Infrastructure (VDI)
  - You can upload and download files using Mycampus website
  - <https://mycampus.flemingcollege.ca/group/portal/fileway-h->
- **BACKUP BACKUP BACKUP! (Onedrive?)**

# Computers

- Log in using your “fleming” username and password
  - Beware of a rogue <<Space>> before usernames when logging in
- One computer is available per student in courses
- Teaching Labs are not exclusive to the post-graduate GIS program
  - Please be prepared to vacate if a different class is using the room/stay if not being used for teaching
  - Frost campus is open 7am-11pm daily
  - You can also use the computers outside of the teaching times
  - You may use computers at the Peterborough Campus (Beware, limited “Frost” images means software may not be available)
- VDI (Online students) virtual lab is identical to in-person lab
  - Students Online can also come use student computer labs in-person, but cannot attend in-person labs or classes without instructor permission
  - In-person student cannot access VDI due to licensing restrictions around numbers of connections

# Exams, Tests and Quizzes

- The course outline details when evaluations occur
- It is your responsibility to be present and ready to complete the necessary tasks
  - Approved or unforeseen accommodations are possible, contact the instructor ASAP
  - Major issues with limited communication? Contact Shawn (Coordinator) ASAP and he'll relay it to all professors.
- Some evaluations occur in Lectures, labs and some in “Testing Centre”
- Online students are encouraged to attend in-person evaluations, but it does require space and permission from the instructor
  - Those evaluating from home will have strict protocols to adhere to. Any deviation is considered academic dishonesty and subject to severe penalties.
  - At least one evaluation per course will require online students to be invigilated, which students must travel to and pay any costs associated with the service.
- Watch for more details on Invigilation in your email

# 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 anothers' **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 \*\**

# Survey Camp - Bark Lake

- October 29<sup>th</sup> through November 1<sup>st</sup>
  - Academic Week 9
- Included is a Bus from Fleming Frost campus
- Course Code APST87
  - Has \$300-400 included fees associated with this course







# BARK LAKE

LEADERSHIP AND CONFERENCE CENTRE



BARK LAKE LEADERSHIP AND CONFERENCE CENTRE



# Survey Camp in China



- Complete Survey Camp in China
- Approximate cost \$2,000cdn
- Visit Beijing and Kaifeng
- Stay and work with Chinese professors and students at



黄河水利职业技术学院

YELLOW RIVER CONSERVANCY TECHNICAL INSTITUTE

# Survey Camp - Online

- Recommend attending Bark Lake or China
- Self-directed tasks completed during Week 9
- Ideally you work as a crew with others nearby
- APST142 (Equivalent to APST87)
  - This code has no fees associated with it, but no rights to attend Bark Lake.
- Want to attend Bark Lake?
  - Requires Switch to APST87 for attending Bark Lake, which will require \$~400 in fees

# Applying For China

- Only 10 student opportunities available
  - If interest is greater than number of open spaces then a lottery will be conducted
  - Requires positive academics be maintained up to departure
- You are responsible for travel and some accommodation costs
  - Flights booked, travel visa application required, and logistical planning as a group
  - Kaifeng Accommodations and Food, group tours and some incidentals are covered using camp fee
- To commit, scan/take photo of Passport and email/show Shawn Morgan by Start of Week 2 (September 10<sup>th</sup>)  
[shawn.morgan@flemingcollege.ca](mailto:shawn.morgan@flemingcollege.ca)
  - Proof of Valid Passport with Expiry date no earlier than April 2019

# Camp Summary

- Bark Lake is main survey camp opportunity
  - Fees included in APST 87 course
- China (YRCTI) is International experience
  - Fees used for some items, majority of travel costs paid by student (APST 142)
  - Any remainder in fees are returned to students
- Online equivalent
  - No auxiliary fees, self-directed for Online students who cannot attend one of the two above (APST 142)

# 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>

<http://projects.geocommunity.net>

# Esri Canada Toronto Conference

- Wednesday October 10<sup>th</sup> 2018 (one day only)
- 7:30am through 5pm near Toronto Airport
- \$35 conference fee
  - paid in advance only, \$140 regular fee applies after October 8<sup>th</sup>
- Toronto Congress Centre  
650 Dixon Road  
Toronto, ON, M9W 1J1
- Conference focuses on GIS career professionals
  - Networking with those who will HIRE you!
  - Classes will be rescheduled for this one day

<https://esri.ca/en/events/user-conferences/esri-canada-user-conference-toronto-2018>



# 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. It is not—your collaborative project requires your attention for 4 days. Students taking employment during this time regularly fail the Collaborative Project and hurt their chances at good employment after
- Independent Learning Week??
  - Generally vacationing is discouraged. This time is a normally scheduled week with only classes cancelled. The labs are still open, and you are encouraged to continue working on assignments and preparing for the back-half of the semester.
- Who do I complain to about my marks?
  - 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
  - Computer Labs and public areas have Cameras and regular patrols, but don't leave valuables unattended
  - Security is available by dialing for Non-emergency x8000.
  - **Dial x4444 for an emergency on campus phone, or contact 911 from a non-campus phone.**
- 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/>
- Academic Counselling and Tutoring:
  - Please use this valuable service by booking times with the tutor, who is a past-graduate of the program. <http://flemingcollege.ca.libguides.com/taas>
  - If you need to talk with someone or are requiring a regular accommodation, please seek out Academic Counselling first <https://department.flemingcollege.ca/aes/aes-online-services/>

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

**Contact [Kathleen.Conway@flemingcollege.ca](mailto:Kathleen.Conway@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!

# Questions?

## Program Specific Dates:

Date	Description
October 10 <sup>th</sup>	Esri Professional Conference (Optional, classes rescheduled)
October 22 <sup>nd</sup>	Week 8 Beginning of Independent Learning Week (no classes)
October 29 <sup>th</sup>	Week 9 Field Camp week (Bark Lake, China and Online)
November 5 <sup>th</sup>	Back to normal Fall class schedule
June 21 <sup>st</sup> 2019	GIS Open House – Team Attendance @ Frost Campus required!

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

<https://department.flemingcollege.ca/program-gis/>

<http://geocommunity.net/>



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