

Enhancing the Geospatial Student Experience: A Monroe Community College Case Study



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Monroe Community College - GIST Program
September 25, 2019
NY GeoCon 2019

Agenda

- Presenter Introduction
- GIST Certificate
- Mapping Club
- Hybrid Study Abroad: Cartagena, Colombia
- Peer Online GIS Tutoring
- Questions?

Presenter Introduction

- BA Geography, SUNY Geneseo '15
- MSc Geography, University of Western Ontario '17
- Geography Graduate Teaching Assistant
- Regional Planner
- GIS Technician
- Project Manager, EagleView
- GIST Tutor, MCC



GIST Certificate

Distribution Requirements	Credit Hours
FALL SEMESTER: 13 CREDIT HOURS	
GEG 100 Physical Geography I Laboratory	1
GEG 101 Physical Geography I	3
GEG 130 Digital Earth	3
GEG 131 Cartography	3
GEG 133 Introduction to Remote Sensing	3
Total	13
SPRING SEMESTER: 11-12 CREDIT HOURS	
GEG 102 Human Geography	3
GEG 230 Spatial Analysis and GIS	3
GEG 239 Capstone in Geospatial Technology	2
PROGRAM ELECTIVE*	3-4
Total	11-12
TOTAL CREDITS	24-25

Geospatial
Information
Science and
Technology

*PROGRAM ELECTIVES: AAD 104, AAD 105, COM 115, CPT 101, CRC 170, ENG 251, MET 101; other elective courses must be approved by Certificate Program Director. Please note that some of these elective courses have prerequisites.



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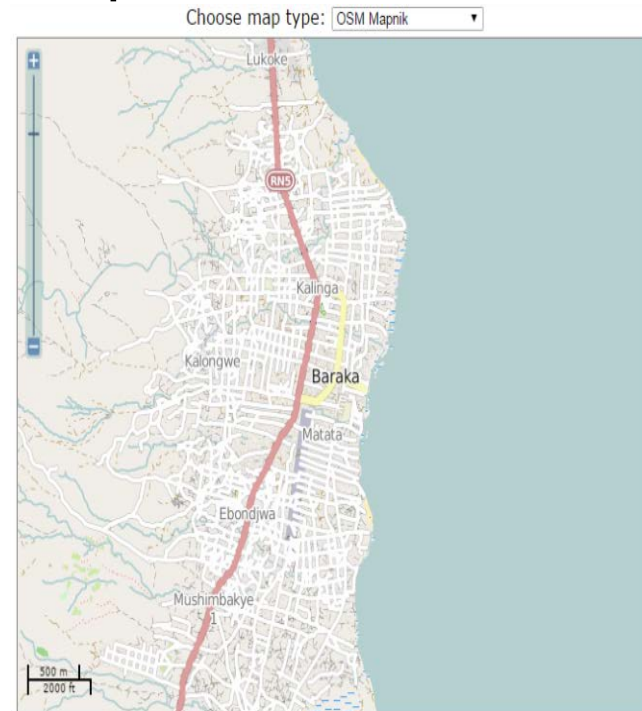
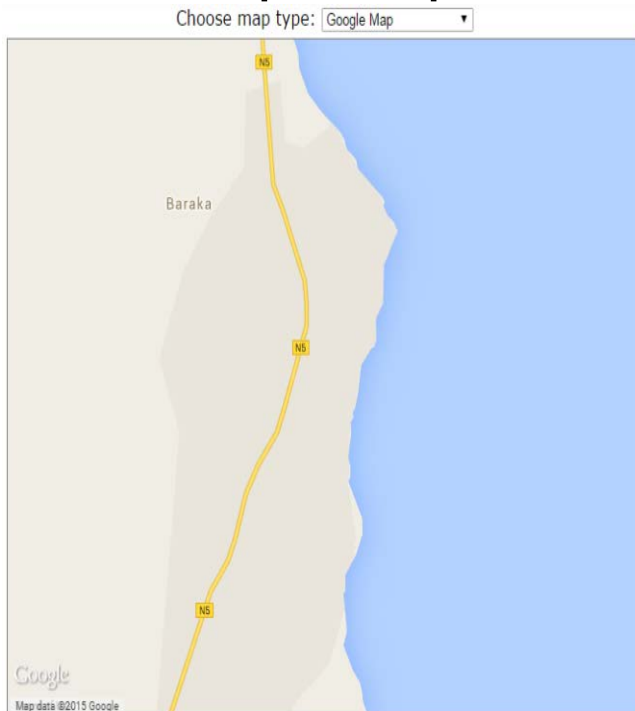
Mapping Club

- First NYS community college chapter of YouthMappers
- Works closely w/ GIST program at MCC
- Goal: engage both MCC & GIS community w/ guest speakers & mapathon events



Mapping Club: What is a Mapathon?

- This is a thriving trading city of 120,000 people
 - mapped in just one evening by 70 people!
- Google maps still (to this date) shows no buildings in the area
- Open Street Map → open source platform for NGO use



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Study Abroad to Cartagena, Colombia

Hybrid Study Abroad in Cartagena, Colombia (Spring 2019)

- **Goals:** Increase cultural awareness, develop mapping app to monitor water quality along the Caribbean Sea, lead a humanitarian mapping workshop, and more!
- **When?** If accepted, you will work with fellow MCC students in students in Colombia remotely for 4-5 weeks spring 2019 before travelling to Colombia. Travel to Colombia will be determined by the project director and will likely be spring break (April 13-21). This date may change based on availability in Colombia.
- **Where?** MCC (4-5 weeks) & enroute/Cartagena, Colombia (4-5 days)
- **Eligibility:**
 - MCC student registered fall 2018 and spring 2019
 - United States Passport (or submit for application by Nov 13th) and up to date with routine vaccinations.
 - Interest in learning about global cultures, Spanish language, and mapping!
 - Four study abroad tracks that will require at least two of these courses: GEG 130, GEG 133, GEG 239, SPA 101 and/or SPA 102. See application for details.
- **Nearly fully funded!** Airfare, lodging, one meal per day. Student cost is \$250.
- **Important Dates:**
 - Application Due **Friday, Oct. 26, 2018!**
 - Accepted students announced November 7th
 - Selected students must accept by Tuesday, Nov. 13th along with the payment and passport information. Accepted students need to pay \$250 by Tuesday, November 13. If you do not have a Passport, you must submit for a Passport by Nov 13th as well.

Application is available at: <http://www.monroecc.edu/depts/geography/>

Please submit application to Jorge Alas and Jonathon Little by Fri, October 26th. Their emails are: jlittle@monroecc.edu and jalas@monroecc.edu.



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Fundación Universitaria
TECNOLÓGICO COMFENALCO



Study Abroad to Cartagena, Colombia



Peer Online GIS Tutoring

September 2019

August '19							October '19								
S	M	T	W	T	F	S	S	M	T	W	T	F	S		
				1	2	3					1	2	3	4	5
4	5	6	7	8	9	10	6	7	8	9	10	11	12		
11	12	13	14	15	16	17	13	14	15	16	17	18	19		
18	19	20	21	22	23	24	20	21	22	23	24	25	26		
25	26	27	28	29	30	31	27	28	29	30	31				

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 WEEK TWO	3 GEG 133: 7-9PM Remote Sensing hours	4 GEG 133: 7-9PM Remote Sensing hours	5	6	7
8 12-1PM Open Hour	9 WEEK THREE	10 GEG 130: 7-9PM Digital Earth hours	11 GEG 130: 7-9PM Digital Earth hours	12	13	14
15 12-1PM Open Hour	16 WEEK FOUR	17 GEG 133: 7-9PM Remote Sensing hours	18 GEG 133: 7-9PM Remote Sensing hours	19	20	21 1-2PM Open Hour
22 No hour today Moved to Saturday 9/21	23 WEEK FIVE	24 GEG 130: 7-9PM Digital Earth hours	25 GEG 130: 7-9PM Digital Earth hours	26	27	28
29	30 WEEK 6	1	2	3	4	5



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Questions?

SPECIAL THANKS:

- SUNY Innovative Instructional Technology Grant
- Jon Little and Jorge Alas at MCC
- Jose Payares at Tecnologico Comfenalco
- Partners of the Americas and 100,000 Strong in the Americas grants
- MCC Mapping Club
- **You for listening!**

Photo Credit:

- All GIS cartoon images: <https://www.bolton-menk.com/books/lindsey/Lindsey.html>
- Mapathon before/after images: YouthMappers
- Other images: GIST program/Mapping Club/Presenter

