

GEOGRAPHY AND PLANNING

GPHY 849 – Seminar in Geographic Information Science



Course Instructor	Mohammad Nabipour	Email:mohammad.nabipour@queensu.ca
Office	Mackintosh-CorryHall-E318	
Contact Time	Two 1.5-hour seminars each week	
Format	Graduate seminar	
Class Assessment	In-class participation (30%) In-class group work (30%) Assignments and reflections (40%)	

COURSE OVERVIEW

This seminar introduces students to an in-depth discussion on topics related to geographic information science and explores innovative GIS applications. The course is designed to assist graduate-level researchers in advancing their knowledge of GIS software and its modules and prepare them to employ them functionally in real-world projects. Topics will include (but are not limited to) a) GIS database models and structures, b) design and implementation, c) data visualization, generalization, and representation, d) data management, network analysis, and spatial analysis and e) internet mapping. By the end of the course, students will have gained experience using a range of advanced GIS skills in their research and will be more prepared for the job market.

LEARNING OUTCOMES

- Enhance their GIS skills and combine them with a variety of decision-making analysis methods.
- Learning functional ways to work with GIS in several projects
- Apply GIS skills in their studies
- Prepare for their future job market