

GEOGRAPHY AND PLANNING

COURSE# SURP853 / ENVIRONMENTAL SERVICES



Format	3-hour per week (Tuesdays (11:30am to 2:20pm))
Class Assessment	Typically includes: in-class exercises, student run-workshop, group report on an assigned topic regarding environmental services, field visit.

COURSE OVERVIEW

This course explores the various and complex interrelationships between environmental services and land use planning. It does so by focusing on the infrastructure required to support land development, in particular water and wastewater systems in both urban and rural contexts. It examines watersheds, water and sewerage systems in connection to land management policies. The concept of environmental services as it relates to broader contemporary issues of environmental planning and management will also be explored. Furthermore, every effort will be made to incorporate contemporary issues, ideas and events into the delivery of this course.

LEARNING OUTCOMES

Students will gain knowledge and understanding of the following topics:

- The intersection and interrelationships between Environmental Services and Land Use Planning
- Watershed based planning
- The policy nexus of infrastructure provision and land use planning (with a focus primarily on wastewater management and water quality)
- Challenges of planning within the "urban-rural fringe" areas.

In addition, students will develop skills as noted below:

- Identify the challenges to incorporating environmental services into the land use planning of communities and to develop strategies for overcoming those challenges
- Propose options, ideas and knowledge to address environmental services concerning a local case study
- Develop professional skills in group collaboration and writing for policymaking

COURSE TOPICS

- Field Trip to Frontenac County and/or Cataraqui Conservation Authority Offices
- Environmental Services – Overview – Policy Context
- Wastewater Systems and land development
- Water Systems and land development
- Stormwater and urban planning/site planning
- Watershed based planning
- Planning in the urban-rural fringe

COURSE READINGS

- There is no course textbook.
- Students will be provided with pdf copies of publicly available reports and/or required to use their Queen's NetID and Password to access resources available from Queen's Library.
- Resources will be made available via ONq