

GEOGRAPHY AND PLANNING

GPHY/SURP 882- Land Use Planning Using CAD Software



Course Instructors	Sukriti Agarwal, MCIP, RPP, AICP	Email: agarwals@queensu.ca
Offices	N/A	
Contact Time	By appointment (evenings only)	
Format	Virtual	
Class Assessment	Participation in discussions and in-class work: 10% Evaluation of assignments: 40% Quiz/test: 10% Project demonstrating an understanding of the course: 40%	

COURSE OVERVIEW

This graduate-level course intends to introduce students to computer-aided design and its use in the field of urban planning. The course features hands-on use of the software for graphic presentations. Lab sessions use AutoCAD by Autodesk Inc. This course assumes that students have a basic knowledge of Windows operating systems. Although students will not be AutoCAD experts by the end of the course, they will have gained the necessary skills and knowledge to create vector-based drawings which can help them, as planners, to communicate their ideas, designs and plans.

Class will consist of a mixture of lectures on the principles of AutoCAD, demonstrations of AutoCAD processes, and in-class exercises.

LEARNING OUTCOMES

- To understand the role of CAD software in urban planning
- To apply basic concepts of AutoCAD to create site plans and illustrations to communicate design ideas

COURSE TOPICS

Drawing and editing tools, navigation, annotating a drawing, external references, inquiry tools, printing and page set up, and working in three dimensions.

COURSE READINGS

Students are not required to purchase a text book, however a reference manual is recommended (available in Queen's University Library System E-Books Collection). Additional reading material, web-based tutorials and supplementary material may be suggested by the instructor to augment the classroom work.