

Creation date: October 15, 2019

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Course Outline

Course Code, Number, and Title: APPL 5310 Advanced Planning Methods

Course Format: Classroom based

Credits: 3

Transfer Credit: For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

This intensive course follows on from Introduction to Planning Methods (APPL 5130). Also, Planning Application in GIS (APPL 5110) is a prerequisite of this course. The course explores some of the specialised methods planners use for local, metropolitan and regional planning, to turn information into forecasts, goals, strategies and plans for long range planning.

APPL 4110 with a minimum "C" grade.

Learning Outcomes:

At the end of this course you can expect to be able to do the following:

- Evaluate the purpose and use of plans in the long-range planning process. This involves the formulation and use of goals, objectives and scenarios in planning.
- Prepare population employment projections using GIS. This involves build-out scenarios that include concepts about development patterns in both space and time, and the formulation of plans to address future problems and opportunities.
- Be familiar with simple methods of reviewing economic structure sufficient to assess local conditions. This involves spatial analysis of planning related data.
- Estimate the demand for community facilities based on projections of population change using the GIS. Within this framework, students will learn about spatial analysis concepts that include spatial awareness, spatial features, and spatial patterns. They will understand how spatial data interacts with attribute information which brings about an understanding of spatial relationships that include proximity analysis, trends and relational databases. Students will be able to apply these skills in the analysis of complex land use issues.
- Be familiar with transportation and land uses. This involves the multiplicity of data – spatial and nonspatial – that describes an urban area and its built and natural environment.
- Apply a range of techniques useful for planners working in teams and with the public. Students will recognize that maps, being graphic representations of various aspects of reality, are indispensable to this effort of understanding and visualizing the existing urban environment, and the complex task of envisioning future conditions. Within this framework, students will be able to communicate demographic and other planning related information visually in ways that can be understood by everyone that is vital to the urban decision-making process.

Instructor(s): TBA

Office: TBA

Phone: (604) 323-XXXX

Email: TBA

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Office Hours: TBA

Textbook and Course Materials:

Summer 2020: There is no text book for this course.

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=318

Note: This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.

Assessments: 75%

Quizzes 25%

Grading System:

At the end of the term, marks will be allocated to grades on the following basis.

A+ = 95%-100%	B+ = 80-84%	C+ = 65-69%	D = 50-54%
A = 89-94%	B = 75-79%	C = 60-64%	F = 0-49%
A- = 85-88%	B- = 70-74%	C- = 55-59%	

Topics Covered:

Major topics covered in the course will include the following:

1. What makes a good plan?
 - a. Core purpose of the plan.
 - b. Criteria for evaluating plan quality
 - c. General criteria for plan assessment
 - d. Why Planners use GIS
2. Forecasting
 - a. Population forecasting
 - b. Economic analysis and employment forecasting.
3. Housing and land requirements
 - a. The housing demand approach
 - b. The LAPs housing needs model
4. Households and household composition
 - a. Households and types of households.
 - b. Projecting households.
5. Industrial and commercial land uses.

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- a. Employment projection basics
- b. Projecting employment distribution
- 6. Planning for schools and community facilities.
 - a. Basic standards or service level.
 - b. Local supply requirements and timing
 - c. Location issues
- 7. Impact assessment and analysis.
 - a. Social impact assessment
 - b. Retail impact assessment
 - c. Traffic impact assessment
 - d. Fiscal impact analysis
- 8. Using Scenarios in Planning
 - a. The process of scenario building
 - b. Alternative scenario approaches
 - c. Scenarios in decision making
- 9. Ethical and Legal Issues

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

[E1003 - Student Code of Conduct](#)

[F1004 - Code of Academic Conduct](#)

[E2008 - Academic Standing - Academic Probation and Academic Suspension](#)

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses](#)

[B5003 – Copyright Compliance](#)

Departmental/Course Policies:

What if I expect to miss a class?

If I expect to be absent for a class, normally the Registrar will post a notice on the monitors outside the Registrar's Office (B Building) and Information Booth (main foyer in A Building). Normally a notice is also posted on the College web-portal, www.mylangara.bc.ca. I will also try to notify you by email. Notices will not be posted at the lecture room. Otherwise, if I'm late, please wait for my arrival.

The readings are essential to the course

In addition to the course text, other required and recommended readings are provided on reserve in the College library, provided as hand-outs or on the unit page of course on D2L.

D2L will help you with notes and readings

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There may be information posted on D2L. Check this for basic information on the course, projects and readings.

Your attendance at class is essential

Attendance is expected at every class. Please read the section on "Attendance" in the Langara Calendar. Attend all classes, lectures and labs, for the full duration. Even if you miss a class or assignment complete the assigned work on time. If an emergency or extraordinary situation arises that will affect your performance in class, notify me as soon as possible.

Cell Phones and Communication Devices

Cell phones and other communication devices are to be turned off and removed from the student's desk during class time. The use of cell phones for voice or texting is not permitted during class time.

Video, Digital or Sound Recording

Video, digital or sound recording of lectures is not permitted. Students are expected to take notes and research assignments on their own.

Internet

Unless being used specifically for the course, the use of the internet and/or emails is not permitted during class time.

Course Outline Changes

The instructor may change the order of material covered in the course outline. If changes are required, they will be announced in class or through email. It is the student's responsibility to check their Langara email or forward it to an email address they use frequently so they can receive timely information from the instructor.

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