



ORIGINAL COURSE IMPLEMENTATION DATE: September 1998  
 REVISED COURSE IMPLEMENTATION DATE: January 2019  
 COURSE TO BE REVIEWED (six years after UEC approval): May 2024  
 Course outline form version: 10/27/2017

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

<b>Course Code and Number:</b> ECON 365	<b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>														
<b>Course Full Title:</b> Transportation Economics <b>Course Short Title:</b> <i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>															
<b>Faculty:</b> Faculty of Social Sciences	<b>Department (or program if no department):</b> Economics														
<b>Calendar Description:</b> This course presents the economic and financial aspects of markets, policies, and planning for passenger and freight transportation. The economic techniques of impact assessment are applied to transportation projects and regulation.															
<b>Prerequisites (or NONE):</b>	45 university-level credits, including ECON 100.														
<b>Corequisites (if applicable, or NONE):</b>															
<b>Pre/corequisites (if applicable, or NONE):</b>															
<b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i> Former course code/number: Cross-listed with: Dual-listed with: Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>	<b>Special Topics</b> This course is offered with different topics: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(Double-click on box to select it as checked.)</i> If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit <i>(The specific topic will be recorded when offered.)</i>														
<b>Typical Structure of Instructional Hours</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture/seminar hours</td><td style="text-align: center;">45</td></tr> <tr><td>Tutorials/workshops</td><td></td></tr> <tr><td>Supervised laboratory hours</td><td></td></tr> <tr><td>Experiential (field experience, practicum, internship, etc.)</td><td></td></tr> <tr><td>Supervised online activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;"><b>Total hours</b></td><td style="text-align: center;"><b>45</b></td></tr> </table>	Lecture/seminar hours	45	Tutorials/workshops		Supervised laboratory hours		Experiential (field experience, practicum, internship, etc.)		Supervised online activities		Other contact hours:		<b>Total hours</b>	<b>45</b>	<b>Transfer Credit</b> Transfer credit already exists: <i>(See <a href="http://bctransferguide.ca">bctransferguide.ca</a>.)</i> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Submit revised outline for rearticulation: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>
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Other contact hours:															
<b>Total hours</b>	<b>45</b>														
	<b>Grading System</b> <input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit														
	<b>Expected Frequency of Course Offerings:</b> Every other year <i>(Every semester, Fall only, annually, every other Fall, etc.)</i>														
<b>Labs to be scheduled independent of lecture hours:</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes															
<b>Department / Program Head or Director:</b> Michael K. Maschek, Ph.D.	<b>Date approved:</b> January 2018														
<b>Faculty Council approval</b>	<b>Date approved:</b> February 2018														
<b>Dean/Associate VP:</b> Jacqueline Nolte	<b>Date approved:</b> February 2018														
<b>Campus-Wide Consultation (CWC)</b>	<b>Date of posting:</b> April 13, 2018														
<b>Undergraduate Education Committee (UEC) approval</b>	<b>Date of meeting:</b> May 18, 2018														

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- Describe Canadian and foreign transportation policy and competitive frameworks;
- Identify economic efficiencies resulting from transportation issues;
- Analyze current problems and potential policy solutions using economic models of transportation;
- Evaluate the role transportation has on the spatial economy
- Compare public and private transportation modes in Canada and abroad and illustrate the different economic outcomes association with different modes.

**Prior Learning Assessment and Recognition (PLAR)**

Yes     No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Lectures will develop theories and apply them to problems in Transportation Economics. There will be extensive use of graphing and problem solving. Formal analytic analysis and the economic intuition that underlies it are used.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1. Quinet/ Vickerman/ Vickerman	Principles of Transport Economics	<input checked="" type="checkbox"/>	Edward Elgar	2005
2. Button	Transportation Economics, 3 <sup>rd</sup> Edition	<input checked="" type="checkbox"/>	Edward Elgar	2010
3. De Palma/ Lindsey/ Quinet/ Vickerman [Eds]	A Handbook of Transport Economics	<input checked="" type="checkbox"/>	Edward Elgar	2011
4.		<input type="checkbox"/>		
5.		<input type="checkbox"/>		

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)**Typical Evaluation Methods and Weighting**

Final exam:	30%	Assignments:	20%	Field experience:	%	Portfolio:	%
Midterm exam:	20%	Project:	%	Practicum:	%	Participation:	10%
Quizzes/tests:	20%	Lab work:	%	Shop work:	%	Total:	100%

**Details (if necessary):****Typical Course Content and Topics**

An overview of transportation activities in Canada.  
 The demand for transportation.  
 The supply of transportation: firm production and cost.  
 General equilibrium models for transportation economics.  
 Market structure in the transportation industry.  
 Competition and regulation in air transport  
 Regulation and efficiency in transportation.  
 Transportation investment.  
 Dynamic traffic modeling.  
 City formation and transport costs.  
 Welfare effects of public regulation and pricing.  
 Congestion pricing.  
 Parking economics.  
 Transportation and land use.  
 Transportation, safety, and public health.