20ECC019: Transport Economics

This module is principally taught by School of Business and Economics

Module details

Module Leader	Dr A Russo
Long Title	Transport Economics
Distance Learning	None
Credit Weighting	20
Sensitive Content	
Exam Weight %	100
Coursework Weight %	0

Module instance details (including semester changes)

Instance Number	Instance Start Date	Delivery Start Date	Delivery End Date	Delivery Period
1	28/09/2020	28/09/2020	29/01/2021	Semester One

Pre requisites and co requisites

Pre requisite modules

ECA002 or ECB037 or ECA502

Other pre requisites

None

Co requisites

None

Excluded combinations

Availability

Module is available to students meeting pre-requisites but only if listed in their Programme Specifications.

Accessibility

Accessibility

C. Does not use methods which are likely to present difficulties for students with disabilities

Accessibility information

Module aims and content

Aims

i) To introduce the student to a range of transport issues, and show how these issues can be analysed using the application of economic theory and simple statistical techniques.
ii) Show how the above analysis can be used to inform the current transport policy debates in the UK and internationally.

Contents

1. Introduction: transport and the economy
2. Road congestion
3. Environmental External costs of transport
4. Road pricing: theory and applications
5. Infrastructure investment and Cost-Benefit Analysis
6. Pricing of Public Transport
7. Privatisation and Deregulation of Mass Transport systems
8. Economics of Road Safety
9. Transportation and Urban Location

Module learning outcomes

Knowledge and Understanding

- A01: students should be able to demonstrate an understanding of the key issues in the transport sector. Intuitive discussion of intermediate theoretical and statistical models will enable students to critically appraise current transport policy debates in the UK and internationally. Where such an appraisal suggests that an alternative transport policy to the one that is in place may be the appropriate course of action, students should be able to set up an analytical framework to determine what form this alternative policy may take.

Subject-Specific - Cognitive Skills

- B01: students should be able to construct and use simple economic and statistical models which relate to the current key issues in transport eg road pricing and public transport pricing. Students should also have the depth and breadth of skills to determine the appealing features of such models, as well as the drawbacks of the models. It is also expected that students will be able to suggest how some of the models can be improved so address some of the drawbacks.

Subject-Specific - Practical Skills

There are no module learning outcomes defined for this category.

Key Transferable Skills

- D01: students should have developed their analytical and decision-making skills and their written communication. Students should also have developed their ability to interpret data. Students should have developed a critical faculty for the evaluation of transport policy.
- D02: In summary, students will have developed the following employability skills: communicate clearly; organise/interpret/present quantitative data; communicate complex concepts; use IT effectively; problem solving; research independently.
- D03: Students will have enhanced their ability to work in groups, present coherently and understand the practical issues involved with forumulating transport policy based on predictions from economic models.

Teaching and learning

Activity	Hours	Comments

Guided independent study	160	
Lecture	35	
Practical classes and workshops	5	
Total	**200**	

Expected hours of student effort:

200

Teaching and learning text

Private study should comprise of independent study based on guided reading.

Assessment

This information relates to the default instance of the module:

Assessment Code	Assessment Title	Weight (%)	Assessment Type	Exam Semester	Exam Length	Coursework Length	SAP Availability	Chronological Order
S1E	Exam	80	Exam	1	3 hrs		Yes, can be reassessed in SAP	0
S1IDE	In-Department Exam	20	In-Dept Exam	1	1 hr		Yes, can be reassessed in SAP	0

Assessment text

1-hour In-Department Exam. 3 hour exam taken at the end of the semester.

Module feedback

Feedback given to students in response to assessed work

Generic written feedback on examinations

Developmental feedback generated through teaching activities

Results of in-class tests and quizzes

Contact: IT.Services@lboro.ac.uk