

# MSc courses in Transport

## Reading List

The items on this reading list are intended to provide a general introduction and background to a number of the topic areas that are covered in the course.

### Official Publications

Department for Transport (quarterly and annual) *Transport Statistics Publications*, see <http://www.dft.gov.uk/statistics>

Office of National Statistics *Travel and Transport*, see, <http://www.statistics.gov.uk/hub/travel-transport/index.html>

### Quantitative Methods

Griffiths, D., Stirling, W.D. and Weldon, K.L. (1998) *Understanding Data*, Wiley, London.

Rees, D.G. (2000) *Essential Statistics*, 4th edition, Chapman and Hall/CRC, London.

Washington, S.P., Karlaftis, M.G. and Mannering, F.L. (2003) *Statistical and Econometric Methods for Transportation Data Analysis*, Chapman and Hall/CRC, London.

Wonnacott, T.H. and Wonnacott, R.J. (1990) *Introductory Statistics*, Wiley, London

### Transport Engineering and Operations

Aronoff S. (1991) *Geographic Information Systems: A Management Perspective*. WDL Publications, Canada.

Bonnett, C.F. (1996) *Practical Railway Engineering*, Imperial College Press, London.

Catling, I. (ed) (1994) *Advanced Technology for Road Transport: IVHS and A TT*, Artech House, London.

Daganzo, C.F. (1997) *Fundamentals of Transportation and Traffic Operations*, Pergamon, Oxford.

Institute of Highways and Transportation (1990) *Guidelines for Urban Safety Management*. (available from the IHT, 6 Endsleigh Street London WC1 H ODZ, Tel: +44-(0)20-7387-2525, Fax: +44-(0)20-7387-2808, Email: [publicat@iht.org](mailto:publicat@iht.org), Web: <http://www.iht.org>).

O'Flaherty C A (Ed) (1997) *Transport Planning and Traffic Engineering*, Edward Arnold, London.

Klein, L (2001) *Sensor Technologies and Data Requirements for ITS*, Artech House, London.

Seeber G. (1993) *Satellite Geodesy Foundations, Methods and Applications*. Walter de Gruyter.

Uren, J. and Price, W.F (1994) *Surveying for Engineers*, 4th Edition, Macmillan, London.

Zhao, Y (1997) *Vehicle Location and Navigation Systems*, Artech House, London.

El-Rabbany, M (2002) *Introduction to GPS: The Global Positioning System*, Artech House, London.

### **Transport Modelling**

Ben-Akiva M. and Lerman, S.R (1985) *Discrete Choice Analysis*, MIT Press, Cambridge Mass.

Ortuzar, J de O. and Willumsen, L.G. (2001) *Modelling Transport*, 3<sup>rd</sup> Edition, John Wiley, Chichester.

### **Transport Policy and Planning**

Institute of Highways and Transportation (1996) *Guidelines for Developing Urban Transport Strategies*. (Available from the IHT, 6 Endsleigh Street London WC1 H 00Z, Tel: +44-(0)20-7387-2525, Fax: +44-(0)20-7387-2808, Email: [publicat@iht.org](mailto:publicat@iht.org), Web: <http://www.iht.org>).

Institute of Highways and Transportation (1997) *Transport in the Urban Environment*. (Available from the IHT, 6 Endsleigh Street London WC1 H 00Z, Tel: +44-(0)20-7387-2525, Fax: +44-(0)20-7387-2808, Email: [publicat@iht.org](mailto:publicat@iht.org), Web: <http://www.iht.org>).

Institution of Civil Engineers (1997) *A Vision for Transport 2020*, Thomas Telford, London.

### **Transport Economics**

Button, K.J. (1993) *Transport Economics*. 2<sup>nd</sup> Edition, Edward Elgar, London.

Co le S. (2005) *Applied Transport Economics*, Kogan Page, London.

Hibbs J. (2003) *Transport Economics and Policy*. Kogan Page, London.

Pindyck RS. and Rubinfeld O.L. (2001) *Microeconomics*, 5<sup>th</sup> Edition, Prentice Hall, New Jersey

Varian, H.R (2003) *Intermediate Microeconomics: A Modern Approach*. 6<sup>th</sup> edition, W.W. Norton & Company: New York.

### **Transport and the Environment**

Hensher, O.A. and Button, K.J. (editors) (2003), *Transport and the Environment*, (Handbooks in Transport, Volume 4), Elsevier Science, London.

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