

ATARD Winter School Program

Location: Cloister of Saint Augustine, Piazzale Sant'Agostino, University of Bergamo

February 2017		Topic	Subject	Lecturer	Pre-Reading
7 th	9:00-10:30	Airline Economics	Economics & regulation of networks	Volodymyr Bilotkach	Belobaba, Peter, Amedeo Odoni, and Cynthia Barnhart. <i>The global airline industry</i> . John Wiley & Sons, 2015. (Chapter 3).
	11:00-12:30		Supply side aviation economics		
	2:00-3:30		Demand side insights		
	4:00-5:30	Airport Economics	Costs, asset utilization and efficiency	Ann Graham	
8 th	9:00-10:30		Pricing, slots and economic regulation	Ann Graham	Graham A. (2014). <i>Managing Airports</i> , 4 th edn, Routledge. (Chapters 3 and 4).
	11:00-12:30	Regional Development	Location of economic activities	Ann Verhetsel	Healey and Ilbery (1990). <i>Theories of Location and Location Change</i> . Oxford University Press. (pp. 19-30).
	2:00-3:30		A checklist of location factors		
	4:00-5:30		Checking location for airports and air transport		
9 th	9:00-10:30	Input-Output Analysis	I-O modeling: introduction	Sonia Huderek-Glapska	
	11:00-12:30		Application to air transport market. Limitations and extension of I-O modeling.		
	2:00-3:30	Computable General Equilibria	What is a CGE model?	Peter Forsyth	Broeker and Mercenier (2011). <i>General Equilibrium Models for transportation economics</i> , in de Palma, A, R Lindsey, E Quinet and R Vickerman (eds) Cheltenham, Edward Elgar. Robichaud (2010). An Introduction to GAMS.
	4:00-5:30		A simple CGE model	Eric Njoya	
12 th	9:00-10:30		Interpreting CGE results		

	11:00-12:30		Implementation of the model in GAMS	Peter Forsyth	
13 th	9:00-10:30	Cost Benefit Analysis	Introduction to CBA: project definition, decision criteria, changes in welfare, financial and social analysis	Ofelia Betancor	Introduction to cost-benefit analysis: looking for reasonable shortcuts. Ginés de Rus. Edward Elgar, Cheltenham, UK (2010). De Rus et al. (2010). "Economic evaluation of transport projects". Spanish Ministry of Transport. This Manual and more materials available at: http://evaluaciondeproyectos.es/EnWeb/Results/Manual.html
	11:00-12:30		CBA: market prices, shadow prices, discounting and treatment of uncertainty		
	2:00-3:30	Data Envelopment Analysis	DEA modeling: introduction	Nicole Adler	
	4:00-5:30		5 basic DEA models		
14 th	9:00-10:30	Stochastic Frontier Analysis	Programming DEA	Nicola Volta	Coelli, Rao, O'Donnell & Battese (2005). <i>An introduction to efficiency and productivity analysis</i> . Springer. (Chapters 6,7,9,10).
	11:00-12:30		SFA: introduction		
	2:00-3:30	Stochastic Frontier Analysis	Stochastic distance functions	Davide Scotti	
	4:00-5:30		Programming SFA		
15 th	9:00-10:00	Lab	Presentation of data & questions	Adler / Njoya / Scotti / Volta	
	10:00-12:30		Student preparation in teams		
	2:00-4:00		Presentation of Results & Discussion		
	4:00-5:00		Wrap-Up Discussion		