Universidade de Brasília

SYLLABUS

Course Name	Transportation and Society (Optional)
Level	MSc and PhD in Transportation
Instructor	**Dr. Augusto César de Mendonça Brasil**
Semester	2021/1 (July 19th, 2021, to November 06th, 2021)
Course prerequisites	None
Lectures days and times	Tuesdays: 08:00 – 09:50.
Location	SG-12 Classroom AT 10/18
Course objectives	The objective of the course is to present and teach: Transportation history and its role for the economic development. Introduction to geography of transports; Transportation and urban development. Relation between urban structure and transportation. Influence of Transportation on socioeconomic indicators.
Course methodology	Asynchronous Online PowerPoint presentations, synchronous meetings, study groups, paper development (review, methodology and results), format as conference paper for final evaluation.
Course topics	1. Transportation and society: general vision 2. History of transportation in Brazil 3. Transportation and development 4. Transportation and the influence on the economic sector 5. Population, migration and urban density 6. Urban environment and economy 7. Transportation, energy, and environment 8. Characteristics of Urban and local trips 9. Problems and solutions for transportation 10. The state and the mobility 11. Evolution of the transportation planning
Text readings and Books	BANISTER, D. Transport Planning. Chapman & Hall. London, 1994.CARR, M. Patterns – Process and Change in Human Geography. Nelson. London, 1993. DICKEN, P. & LLOYD, P. P. Location in Space – Theoretical Perspectives in Economic Geography. 3a edição. Harper Collins

Publishers. New York, 1990.

GIANNOPOULOS, G. & GILLESPIE, A. Transport and Communications Innovation in Europe. Belhaben press. London, 1993.

HILLING, D. Transport and Developing Countries. Routledge. London, 1996.

HOYLE, B. S.& KNOWLES, R. D. Modern Transport Geography. Belhaben Press. London, 1992.

MELIA, S. Urban Transport without the Hot Air. Volume 1: Sustainable Solutions for UK Cities. UIT Cambridge, Cambridge, 2015.

RODRIGUE, J.-P. The Geography of Transport Systems. 3rd Edition. Routledge, New York, 2013.

VASCONCELLOS, E. A. Transporte Urbano nos Países em Desenvolvimento. Ed. Unidas. São Paulo, 1996.

Evaluation criteria

The final grade is based on the presented paper, with the following composition:

Individual score:
Df = Oral presentation and answers

Group score:
Te = Presentation (Slides and text quality).
At = Final manuscript (conference paper format).

Score = (Df + Te + At)/3

** Scores are from 0 to 10.

The final grade is based on the UnB system:

SS (Superior) 9,0 – 10,0
MS (Average Superior) 7,0 – 8,9
MM (Average) 5,0 – 6,9
MI (Average Inferior) 3,0 – 4,9
II (Inferior) 0,1 – 2,9
SR (Nill) 0,0

Minimum grade for credits is MM.

Brasília, 21 May, 2021.