Module Title	Sustainable Infrastructure and Mobilities
Course Title	PGDip Chartered Town Planner MA Chartered Town Planner MA Town and Country Planning
School	☐ ASC ☐ ACI ☐ BEA ☐ BUS ☐ ENG ☐ HSC ☒ LSS
Division	UELS
Parent Course (if applicable)	MA Town and Country Planning
Level	7
Module Code *(showing level)*	UEL_7_SIM
JACS Code (completed by the QA)	
Credit Value	20 credit points
Student Study Hours	Contact hours: 36 Student managed learning hours: 164
Pre-requisite Learning	None
Co-requisites	None
Excluded combinations	None
Module co-ordinator	Name: Email:
Short Description (max. 100 words)	This module examines the infrastructures necessary to support sustainable and equitable forms of development. The role of spatial planning in infrastructural delivery is a particular focus.
Aims	The aim of this module to for students to develop a critical awareness of the role of infrastructures to societal development and change. This will involve examining past trajectories of change and the implications of new technologies for more sustainable and equitable urban and rural futures. The role of spatial planners is a central focus.
Learning Outcomes (4 to 6 outcomes)	At the end of the module a student will be able to 1. Critically analyse the relationships between technological and infrastructural change and urban/rural form and patterns of societal development 2. Critically assess the importance and potentials of infrastructure to more sustainable and equitable forms of urban/rural of development

	3. Evaluate the contribution of spatial planning to infrastructure delivery 4. Evaluate the contribution of spatial planning to the provision of resource efficient and sustainable patterns of urban and rural land use.
Employability	Transport and infrastructural policy and its land-use implications are key policy activities for spatial planners, particularly when set against about sustainability and concerns over climate change. The critical policy knowledges and policy evaluation skills learnt on this module will enhance career progress in the specific areas of transport and infrastructural provision as well as the profession more generally.
Teaching and learning pattern	Contact hours includes the following: (please click on the checkboxes as appropriate) ☒ Lectures ☐ Group Work ☐ Seminars ☒ Tutorial ☐ Laboratory ☒ Workshops ☐ Fieldwork ☐ Practical ☒ VLE Activities
Indicative content	Power, inequalities and mobilities – transport futures and equitable infrastructures; Infrastructures for sustainable futures; Infrastructural delivery and planning; Mitigating and adapting to climate change; Green infrastructures for spatial planning; Blue infrastructures for spatial planning; Smart cities and smart city planning; Digital infrastructures and cyber city planning;
Assessment method (Please give details – of components, weightings, sequence of components, final component)	Formative Assessment In class comments on draft of assessment by peers and staff Summative Assessment: Students will write a 5,000 word report (100%) which presents a critical evaluation of existing infrastructures combined with a visioning plan for future spatial development strategy
Indicative Sources *(Reading lists)*	Graham, S (2001) *Splintering Urbanism: Networked Infrastructures, Technological Mobilities and the Urban Condition* Marshall, T (2012) *Planning Major Infrastructure*, Routledge, London Morphet, J (2016) *Infrastructure Delivery Planning*, Policy Press, Bristol National League of Cities (2017) *Smart City Development*. Sheller, M (2018) *Mobility Justice: The Politics of Movement in An Age of Extremes*, Verso

	Wheeler, S., and Beatley, T (eds) (2009) *The Sustainable Urban Development Reader*, Routledge, London
Other Learning Resources	The University's Moodle Virtual learning Environment (VLE) is a key portal for on-line access to additional resources and tutor dialogue.