Course	Thing	Explanation	Date	Important	Index
		Source of many urban planning ideas in 20th century; green			
GESS1019	Sir Ebenezer Howard	cities, town-country concepts with benefits of both and drawbacks of neither	23/08/2021		71
05001010	Cordon City Model	6000 acres, 1000 acres town area, 32000 population, town centre, circle within sector shape; Letchworth, Welwyn & Milton	22/09/2024		70
GESS1019	Garden City Model UK New Towns Movement (1946-	Keynes* in UK 1st Generation New Towns Stevenage follow Howard's model 2nd Generation New Towns Cumbernauld has added transportation facilities, less emphasis on social balance 3rd Generation New Towns breaks hierarchal residence, so	23/08/2021		72
GESS1019	1980)	more sense of interest community	23/08/2021		73
GESS1019	Le Corbusier	Contemporary City, Radiant City designer High-density, open spaces are parks, rigid geometric pattern,	23/08/2021		74
05004040	Dating O'l Made	separate land use districts, buildings on stilts 5m above ground to allow nature flow below, different speeds of cars belong in	00/00/0004		7-
GESS1019	Radiant City Model	different layers	23/08/2021		75 76
GESS1019	Jane Jacobs	Remove slums and mingle the poor with the middle-incomes Singapore River was used to divide land use and ethnic zones;	23/08/2021		76
GESS1019	Raffles Town Plan (1828)	Shophouse cities with 5-foot ways	30/08/2021		101
GESS1019	Singapore Improvement Trust (1927)	Formed to improve urban environment; WWII severe overcrowding;	30/08/2021		102
GE331019	Singapore improvement riust (1921)	Reported that less than 1/3 of the city were satisfied; SIT housing supply insufficient and unable to clear slums; Recommended the creation of government housing & planning	30/00/2021		102
GESS1019	Singapore Housing Committee Report (1948)	department; Form a master plan	30/08/2021		103
		Add a green belt around the city to prevent sprawling; Orchard Road; Jurong, Woodlands, Yio Chu Kang; Open space targets from 0.34 to 1.1ha per 1000 persons; Was too conservative to meet needs so advice was sought from the UN; Planning Department of PMO in charge of land use control, and HDB for housing;			
GESS1019	Master Plan (1958)	REVIEWED EVERY 5 YEARS	30/08/2021		104
		Otto Koenigberger (architect-planner); Charles Abram (lands and legal advisor); Susumu Kobe (traffic economist); Came to Singapore to propose the KAK mission report; "Action planning" for urban development, industrialisation; Performance standards for flexible development control; "Ring City" concept of compact towns around central open area;			
GESS1019	KAK Plan (1963)	Everyone lives near the sea	30/08/2021		105
GESS1019	Concept Plan (1971)	State and City Planning (SCP) project; Ad hoc organisation of HDB, Public Works Department; Long-range land use and transportation, and how to implement, review and update; REVIEWED EVERY 10 YEARS	30/08/2021		106
		Decentralisation to new regional centres; Downtown at Marina Bay; Choices of housing; Technology corridors;			
GESS1019	Concept Plan (1991)	Natural environment	30/08/2021		107
GESS1019	URA (1989)	Became the main governing body for urban development	30/08/2021		108
GESS1019	Concept Plan vs Master Plan	Master Plan is more detailed than concept plan	30/08/2021		109
GESS1019	NSL	Inspired by the 1971 Concept Plan	06/09/2021		143
GESS1019	CCL	Inspired by the 1991 Concept Plan	06/09/2021		144
GESS1019	Policy Framework (40-50 years)	Government-level policies to guide the way URA plans for land usage and zoning;	06/09/2021		145
GESS1019	Land Use Plan (10-20 years)	Guidance system	06/09/2021		146
GESS1019	Land Development Plan (5-10 years)	The plan goes to the agencies actually building the buildings: HDB, SMRT, NParks, BCA; Regulations and legislation	06/09/2021		147
GESS1019 GESS1019	Program of Involvements (1-5 years)	Goes down to the individual vendors and people	06/09/2021		147
52001010	. regiani of involvements (1-0 years)	Used to guide the land sale program to private developers,	00/00/2021		140
GESS1019	Master Plan (10-15 years)	reviewed every 5 years, and statutory plan for each land parcel Concept plan: "Residential";	06/09/2021		149
GESS1019	Concept Plan > Master Plan > Development	Master plan: "Malls and MRT"; Development: "Actual construction" Phase 1: Land use requirements (DD & SS)	06/09/2021		150
		Priase 1: Land use requirements (DD & SS) Residential, Commercial, Industrial, Education, Community, Healthcare, Religious, Arts Population projection for long-term planning, periodic population census, can plan for distribution of space in the future Influenced by policy and market trends			
		Phase 2: Strategies and physical structure plan > 1971 Monocentric (EWL/NSL) > 1991 Polycentric (CCL) > 2001 Global Business Center (TEL) > 2011 Growth Nodes (Regional Development)			
GESS1019	Concept Plan phases	Phase 3: Traffic modeling and refinement > Different structures will give different traffic flow	06/09/2021		151
GESS1019	Population White Paper (2013)	Plans for 2030 population	06/09/2021		152
GESS1019	MND Land Use Plan (2013)	Plans for 2030 population	06/09/2021		153

Course	Thing	Explanation	Date	Important	Index
		1960 labor: Garments & Textiles 1970 skills: Computer parts & Oil refinery			
		1980 capital: International service corporations			
GESS1019	Singapore Economic Transformations	1990 technology: STEM Today knowledge: Innovation	06/09/2021		154
0001013	Olingapore Economic Transformations	Central problem;	00/03/2021		104
		Causes of the problem;			
		Have they already been addressed/are effective?; Recommended policies to address the problem;			
GESS1019	Group project considerations	How will it impact different stakeholders	07/09/2021		162
		Sep 28: Short ungraded presentation about the problem			
		statement Oct 1: One page proposal with brief description, importance,			
		plan to somplete the project and submit in Student			
		Submissions/Group Project/Proposal/Tutorial Group 3; Oct 11: Instructor meets each team individually to discuss the			
		project, topics are flexible;			
		Oct 25: Final presentation (11+3 mins) Nov 19: Softcopy of final report;			
GESS1019	Group project timeline	Nov 23: Peer evaluations	07/09/2021		163
		Quality of life enhancement; Knowledge-based economy;			
		Managing impact of IT;			
		"Towards a thriving world-class city"; Dynamic economy, distinctive identity & delightful recreational			
		place;			
		Develop CBD; Impact-based industrial zoning system (B1 non-pollutive vs B2			
		pollutive with 50m buffer);			
		Bring more B1 jobs closer to home; White zone to permit multiple uses;			
		Public consultation via internet and focus groups to balance			
GESS1019	Concept Plan (2001)	scarce land and retain identity; Plan for 5.5 million ppl;	13/09/2021		181
		2013 Population white paper encouraging immigration;	.5/00/2021		701
		Integrate greenery with living environment;			
		Enhance transport connectivity; Sustain vibrant economy;			
		Park connectors;			
		85% household to live within 400m of a park; 80% household to live within 10min from train station;			
GESS1019	Concept Plan (2011)	Decentralise central jobs to Jurong Lake, Woodlands, Tampines	13/09/2021		182
GESS1019	MND Land Use Plan (2030)	Ministry of National Development propose land use to combat aging population	13/09/2021		183
		Proposals have to be made available for public inspection &			
GESS1019	Master Plan 1999	comments; If no objections, then it will be made official	27/09/2021		210
GLOSTOTO	Master Fran 1999	Deals with development control (implementation of physical	21109/2021		210
		planning rules);			
		Ensure compliance & stuff; Control externalities;			
		Adequate provision of public goods;			
		Proper functioning of the environment; Developments outside a conservation area must have "planning			
		permission"; Developments within conservation area must have			
		"conservation permission";			
GESS1019	Planning Act	All subdivisions must have "subdivision permission"	27/09/2021		211
		Written permission is valid for 2 years; Provisional permission is valid for 6 months (still have			
		developmental issues, or needs preliminary work);			
GESS1019	Development control framework	Consider land use, plot ratio, building height, building setback (gap between main building and pavement), building coverage;	27/09/2021		212
		Areas subject to security requirements to confirm upon			
GESS1019	Special Control Areas	submission of proposal;	01/10/2021		215
		Used to implement Concept Plan and Master Plan; MND/URA announces programme twice a year;			
		Sites for different land uses; SLA is the representative for owning the land;			
		JTC for industrial development;			
GESS1019	Government Land Sales	Done mainly by public tender	04/10/2021	Important	216
		Some of the revenue for developments should go back to the public, so they charge developments for various things;			
		If they try to build a high-rise in a low-rise place, they kena			
		charge; If they try to disrupt the general feel of the buildings, they kena			
		charge;			
		They can get certain permissions / rewards			
		BCA Green Mark - building is very green (Platinum 2%, Gold 1% bonus floor space);			
		Strategic Development Incentive Scheme - redevelop older			
		buildings in strategic areas (CBD, Orchard Road) (Quality design, promoting transit use, other uses gives you bonus floor			
		space); CBD Incentive Scheme - encourage the development of mixed-			
		use buildings;			
		But certain developments can be exempt; Enhancement of conserved buildings;			
CESS1040	Dovolonment charge	Calculated with (Development Ceiling - Development Baseline -	04/40/0004		0.10
GESS1019 GESS1019	Development charge New Town model	Exemption); Precinct - Neighbourhood - Town	04/10/2021 11/10/2021		246 333
0001019	INGW TOWIT HIDUE!	r resinct - Neighbourhood - 10wil	11/10/2021		333

Course	Thing	Explanation	Date	Important	Index
		Urban planning has shifted from creative designers to data- driven (both have strength & limitations); Data-driven: comprehensive & practical but complex & restricted by politics, physical, community representation			
		restraints; Stakeholders (Arnstein 1969 typology of public participation says there are 8 rungs of the participatory ladder): elected, public servants, agencies, consultants, public;			
		Lichfield Model (Masterplan 1998): involvement by voting, opinion polls, interest group discussions			
		Travis Model: preparatory process, basic planning, development design all involves the public;			
GESS1019	Planning Models	Roberts Model: planners only make proposals, but the public makes the decision (very slow, costly, heavily influenced by demographics, lack of awareness	11/10/2021	Important	334
		Kevin Lynch (1972) "What Time is This Place: - Personal image of time is crucial for individual well-being - Desirable image of the city is one that "celebrates and enlarges the present" while making "connections with past and future"			
		Selecting convservation areas - Done by URA (found on URA Space) - So far 7000 buildings in 100 areas are conserved - Made up of an area, a single building, or a group of buildings - Stage 1 determine qualification based on: - Architectural merits (representativeness, aesthetic, creative or technical qualities) - Historical & Social significance (important to culture, association with event or development) - Age (before 1960, example of prominent builder or architect) - Rarity (demonstration of distinctive design) - Contribution to environment (cheerleader effect, harmonious design) - Economic impact - Stage 2 determine if building qualifies as a national monument			
		3R conservation guidelines: - Maximum retention - Sensitive restoration - Careful repair Conservation areas:			
		- Historic Districts (Boat Quay, Chinatown, Kampong Glam, Little India) - Residential historic districts (Cairnhill, Emerald Hill) - Secondary settlements (Beach Rd, Geylang, Jalan Besar, Joo Chiat, River Valley) (Building height is capped) - Bungalow areas			
GESS1019	Heritage Area	Implementation strategies	18/10/2021		379
02001010	Tromage / trea	Incremental and integrated approach is needed to improve and build upon what is already there; Purposes:	10/10/2021		
GESS1019	Built Heritage	National identity Urban design & appreciation of tradititional forms Tourism & economy	18/10/2021		380
		Traffic - focus on road capacity Mobility - focus on movement of people and goods Accessibility - focus on opportunities Activity - why people go to places			
		Step 1: Trip generation (Internal, External)² (Listing and estimating the connections) Step 2: Trip distribution (Residential, Industrial, Commercial)² (Volume of connections) Step 3: Modal split (Bus, Train, Both) Step 4: Trip assignment (Find the least cost way to allocate			
GESS1019	Transport planning basics	resources) MND Land Use Plan 2030 > Expand road network but invest in public transport > Achieve doubling of rail network to 10 min walk from MRT	25/10/2021	important	432
		station > CRL, JRL > More bus routes > Sheltered walkways > Integrated transport hubs (Fairprice Hub, Bedok Mall, Northpoint, Jurong Point)			
GESS1019	Singapore land transport plans	 Cycling paths Barrier-free transport system for seniors & disabled Achieve 75% public transport share by 2030 	01/11/2021		454

Course	Thing	Explanation	Date	Important	Index
		2018 set up an advisory panel and launched engagement exercise to get feedback on: > How to make "Walk Cycle Ride" as the go to way to travel			
		(comfort, choice, speed) > How to make that more inclusive			
		9 recommendations grouped into 3 categories: > 20-min town 45-min city >> Seamless multi-modal travel >> Spread out amenities > Transport for all >> Developing transport worker skills			
GESS1019	LTA Land Transport Master Plan 2040	>> Infrastructure for barrier-free travel > Healthy lives, safer journeys >> Community spaces >> Smart technology >> Noise barriers >> Environment technologies	01/11/2021		455
GESS1019	Land Use issues	> Trilemma between quality, affordability, profitability > Mismatch of future supply-demand > Car-ownership aspirations > Legitimate use of nature reserves	01/11/2021		456
		Vehicle Quota System 1990 ERP 1998 (Gantries, flexible, equitable)			
GESS1019 GESS1019	Singapore transport policies Public transport business model	Congestion Pricing Scheme 1975 (Pay after entering zone) > Operators pay annual license charges and have to follow Asset Management Requirements > Lower the barriers to entry > Operators can focus on the operating side > Public Transport Council to conduct fare review	01/11/2021		457
GE331019	T unic transport business model	Solutions are: > Creative & innovative > Replicable & scalable	01/11/2021		430
GESS1019	LKY World City Prize	> Durable & sustainable > Integrable	17/11/2021		478
GESS1019	Plan for long term	Bilbao > Recovered valuable land along the river to transition into knowledge-based economy > Improved infrastructure	17/11/2021		479
		NYC > Mayor Bloomberg focused on improving infrastructure, redevelopment > PlaNYC to address land, water, transport, energy, air issues Seoul			
GESS1019	Harness the power of partnership	 Collaborated with community and stakeholders Engaged the population with ground-up initiatives and gave of city budget to public participatory planning 	17/11/2021		480
		Medellin > Leaders dedicated to tackle deep-rooted problems in amenities > Transport for the inaccessible places > Social innovation			
GESS1019	Improving quality of life	> Great reduction in murder rates Bilbao > Arts as symbolic transformation of the city and tourism	17/11/2021		481
GESS1019	Innovative design & the arts	Seoul > Transition DongDaeMun into a cultural centre	17/11/2021		482
GESS1019	Public spaces	New York > 3.8bill for renovating and creating new parks Town magnet + Better employment, facilities - High rent and urban life	17/11/2021		483
		Country magnet + Resources and natural - Lack of facilities and susceptible to weather			
		Town-country magnet > Established to combine the advantages of both > Town centre is a circular town garden > Farms are on the outskirts of town > Town and Country Planning Association (TCPA) established Letchworth and Welwyn			
GESS1019	Garden City (around 1900) (Sir Ebenezer Howard)	Influence > Urban decentralisation > Integration of nature into cities > Development of new town communities	17/11/2021		484
		1st Gen > Low density > Town centres accomodate economic and social needs > Range of housing types			
		2nd Gen > Neighbourhood centres satisfy economic needs			
GESS1019	New Towns Movement	3rd Gen > Everything is mixed-use > Interest-based community is created	17/11/2021		485
		•			

Course	Thing	Explanation	Date	Important	Index
		Ideas > High-density vertical > Rigid geometric pattern > Separate land use districts			
		> Stacked highways and rail Influence > Vertical separation of transport			
GESS1019	Radiant City (1935) (Le Corbusier)	> Singapore's New Towns & CBD	17/11/2021		486
GESS1019	Broadacre City (1935) (Frank Lloyd Wright)	Ideas > Decentralised > Large grid of arterials in the countryside > Superhighways to connect the region	17/11/2021		487
GESS1019	Jane Jacobs	Ideas > Community should have full control over the living space	17/11/2021		488
GESS1019	Raffles Town Plan (1828)	Ideas > Focussed on harmony, efficiency, sanitation > Grid layout for roads > Segregation of races and professions > Green spaces > Shophouses	17/11/2021		489
		Ideas > Focus on inner city housing and street layout > Regulate type and intensity of developments > Reserved spaces for facilities > Spreading people out to outer areas			
GESS1019	Singapore Improvement Trust Master Plan (1958)	Problems > Cannot keep up with rapid change	17/11/2021		490
		Ideas > Ring city of towns > 11 employment centres			
GESS1019	KAK Plan (1963)	> Everyone lives close to the sea	17/11/2021		491
GESS1019	Ring Concept Plan (1971)	Ideas > Used a work-trip model > Southern belt development > Green spaces between towns > Set aside Jurong for industrial and Changi for airport	18/11/2021		492
GESS1019	Concept Plan (1991)	Ideas > Paid attention to quality of life issues > Development of Marina Bay, technology corridors, environment > 5 planning regions	18/11/2021		493
GESS1019	Development Guide Plans	Ideas	18/11/2021		494
GE331019	Development Guide Flans	Basic needs of people > Transport > Safeguard nature reserves while improving open spaces and waterways > Build houses for sale and not rent Basic functions of land > Need sufficient seafront area for harbour and port > Need shorter buildings near airport > Distance factories from residential areas	10/11/2021		454
		Sustainability of land > Preserve historical buildings and heritage sites Liveability for people			
GESS1019	Singapore urbanisation goals	> Each town should be self-sufficient	18/11/2021		495
		Objectives > Translates broad long-term plans into more detailed plans > Shows permissible land use Components > Special and Detailed Control Plans (SDCP) for public spaces, monuments, housing and underground > Guidelines and controls for specific areas for development			
GESS1019	Master Plan	> URA uses the guidelines to control development applications and proposals Preparation process > Survey, data collection & analysis (population, traffic) > Vision casting & proposals (develop what exactly)	18/11/2021		496
		Objectives > Ensure compliance of public health and safety > Provide amenities > Control externalities			
GESS1019	Development Control	Permissions > Planning permission outside conservation area > Conservation permission inside conservation area > Subdivision permission in all subdivisions	18/11/2021		497

Course	Thing	Explanation	Date	Important	Index
		Objectives > URA development control evaluates and grants approval for projects if they are in line with guidelines and strategies > URA announces program twice a year > Sites for different categories of buildings			
		Development charges > Developers need to be levied and compensated for externalities > Floor area incentives if follow planning objectives			
		Development ceiling > The value of the development proposed for a site and allowed by URA (proposed gross floor area × DC rate for the use group)			
GESS1019	Government Land Sales	Development baseline > The value of the approved development after development charge is paid (approved gross floor area × DC rate for the use group)	18/11/2021		498
CESS1010	Planning Models	Trends > Creative design to data-driven > Prefer complexity > Less affected by political dogma > Affected by practical and legal limitations	19/11/2021		499
GESS1019	Planning Models	> Hard to quantify social factors Objectives	18/11/2021		499
		More democratic and provides insights Heirarchy Nonparticipation (just informing them of the changes) Tokenism (surveys to find out what to do) Citizen Control (most control)			
		Lichtfield Model > Involvement by voting, polls, discussions > Only after proposals have been made and evaluated > Planners have the final say			
		Travis Model > Involvement in preparation, planning and design process			
GESS1019	Participatory Planning	Roberts Model > Involvements in areas that don't need experts > Clear roles defined > Citizens select final plan	18/11/2021		500
GEGG1019	r antispatory r ranning	Trends > Land use & urban development will generate demand for transport > Accessibility & value of land is affected > Affected by density, growth pattern > Motorisation rate is going up	10/11/2021		300
		Multi-agent Transport Simulation > LTA, URA, Future Cities Lab > Simulate island-wide travel flows on roads and public transport > Based on likely activities of a particular person			
		Public Transport business model > Operators pay anual licence charges and have to follow rules > Charged for delays and inconveniences			
		MND Land Use Plan 2030 > Expand road network > Doubling of rail network, 80% of homes to be within 10-min walk of MRT station > Sheltered walkways > Integrated transport hubs			
		LTA land transport master plan 2040 > 45-minute city, 20-minute town (bring jobs to home, prioritise public transport) > Transport for all (caring community culture, meet diverse needs) - Heatlhy lives, safe journeys (reduce accidents, environmentally friendly)			
GESS1019	Transportation	Trilemma > Quality, Affordability, Profitability	18/11/2021		501
		Ideas > Conservation guidelines more important than development control guidelines			
		Incentives > Waiver development charges > Waiver car parking charges			
GESS1019	Heritage Conservation	Issues > Tend to be more tourism-oriented	18/11/2021		502

Course	Thing	Explanation	Date	Important	Index
		Centred on the vision of a socially inclusive, economically vibrant and sustainable living environment for all. It safeguarded adequate land for nature reserves and parks, located key amenities such as schools, medical clinics, hawker centres and employment hubs within or near neighbourhoods, and provided more spaces for community interaction and activities. In addition, over 70 buildings were earmarked for conservation,			
GESS1019	2014 Master Plan	such as Queenstown Library and Alexandra Hospital.	22/11/2021		519
GESS1019	1991 Concept Plan	Envisioned Singapore's transformation into a 'Tropical City of Excellence'. Such a city would support a healthy balance of work, commerce and a greater variety of leisure and recreational options. The plan also called for an increased sense of 'island-ness' and a city that embraced its coastline and island heritage. These proposals marked a shift towards an emphasis on enhancing the quality of life and projecting the Asian city and tropical island image of Singapore.	22/11/2021		520
		Features incentives to encourage a broader mix of land uses within the CBD and other developments islandwide. Other priorities include building future capacity and planning for resilience, with ecological buffer zones to protect and enhance flora and fauna in the city. The Plan also looks to optimise land use through the redevelopment and repurposing of Paya Lebar Air Base, as well as the Greater Southern Waterfront following the relocation of the container terminals to Tuas. The 2019 Draft Master Plan also marks the first time that Singapore's underground space plans for Marina Bay, Punggol Digital District and Jurong Innovation District have been unveiled. By planning and safeguarding underground space upfront, more surface land can be freed up for people-centric uses To introduce a broader mix of uses within the CBD and in other developments around the island. To increase the vibrancy of the CBD beyond being solely a place to work, URA will be introducing incentives for property owners who convert their existing office developments to hotel and residential use. Established precincts across the island are also being rejuvenated through efforts by URA to implement place management and to foster closer cooperation with businesses			
GESS1019	2019 Master Plan	and other stakeholders To build a system that could cope with a growing population, the rapid development of public housing, industrial development in Jurong and the intensive redevelopment of the Central Area. In 1971, the main public sewerage network only served 57% of the population.29 PWD made plans for a rapid expansion of the network, the relaying and re-routing of existing services, and the	22/11/2021		521
GESS1019 GESS1019	1960s Sewage Water Plan 1970s Drainage Master Plan (URA HDB)	expansion of sewage treatment works. To ensure that new land developments made adequate provisions for drainage, MND's Planning Department would consult the Drainage Department on technical requirements as part of its planning and building control procedures. Such collaborative efforts to improving the management of sewers and drains would have an important impact on Singapore's water supply in later decades, when the country began to take a serious look at alternative sources for potable water.	22/11/2021		522
GESS1019	1989 Conservation Master Plan	Multiple conservation areas set up	22/11/2021		524
GESS1019	2003 Master Plan	The grid urban pattern adopted also allowed for developments to be amalgamated, sub-divided or phased, according to market needs. URA introduced "white zoning" to encourage mixed-use developments and the formation of livework-play communities in Marina Bay	22/11/2021		525

Course	Thing	Explanation	Date	Important	Index
		The Land Use Plan 2030, released in 2011, and			
		the Master Plans released in the past decade,			
		have articulated strategies to ensure that			
		Singapore has sufficient land reserves and			
		adaptive options set aside to meet the needs			
		of present and future generations in a changing			
		society and an uncertain world.			
		On the economic front, strategies for adaptive			
		life-cycle planning for land use and rejuvenation			
		have been put in place—the decision in 2016 to			
		consolidate port operations in Tuas has freed up			
		significant tracts of waterfront land in Tanjong			
		Pagar and Pasir Panjang.2			
		Other strategies include			
		the co-location of uses and going underground			
		to create space, as well as being nimble and			
		innovative with zoning and other regulations.3			
		The Land Use Plan 2030 has also outlined plans			
		to build a sustainable and liveable environment			
		for a larger population, with inclusive housing,			
		good amenities, integrated greenery and a vibrant			
		economy. In this decade, MND's initiatives and			
		policies have sought to enhance Singapore's			
		liveability, even as the island's living density has			
		had to increase to support economic growth in			
		new centres of activity, as well as to support			
		more sustainable energy and public transport			
		systems. Even as Singapore has become denser,			
		it has also redoubled its efforts to integrate			
		high-quality green spaces and biodiversity			
		within the urban environment. This decade			
		has seen HDB implement its Biophilic Town			
		Framework, while the role of ecosystem services			
	2030 Land Use Plan / 2011 Master	within planning contexts and strategies has			
GESS1019	Plan	been given greater priority			526
		Woodlands to Tanjong Pagar			
		The authority made			
		co-creation central to their approach.			
		They sought out, involved and listened to a			
		diverse range of voices from the community.			
		Through platforms that included visioning			
		and design workshops, community walks			
		and an ideas competition, a shared vision of			
		planning and design goals was developed			
		in consultation with individuals, experts			
		and groups such as the Nature Society of			
		Singapore, the Singapore Heritage Society			
GESS1019	Rail Corridor Master Plan	and Friends of the Green Corridor.	22/11/2021		527
0001019	Itali Comuci Master Fian	and I nonds of the Oreen Comuci.	22/11/2021		521