



# Planning, Transport and Accessibility

## - A multi-dimensional perspective

Valid: Spring 2019

Language: The course will be given in English

### Purpose

The aim of this course is to show how, and why, we can successfully plan for sustainable accessibility through urban development planning and transport planning practices. By employing a multi-dimensional perspective, sustainable accessibility is considered:

- through the lens of different residents and their daily needs. This perspective is used as a device to integrate across different built environments and transport modes;
- through the lens of a 'mobility pyramid', starting from not travelling, through to travelling by walking, cycling, public transport and the car;
- at three different spatial scales: Metropolitan/City wide, Town/Activity Centres, Neighbourhoods - with a strong focus on their 'place' qualities; and,
- in terms of governance, considering those who should take action, and how processes of implementation influence the effectiveness of design approaches.

### Focus

Urban planners, politicians and community advocates are demanding a new approach to planning urban areas and transport networks which provides for accessibility, rather than simply assuming mobility (especially by private car).

An accessibility approach raises several challenges for practitioners – how to plan for both the transport mode and urban development in an integrated fashion, how to assess the effectiveness of infrastructure investment from an accessibility perspective, and who should do what to ensure implementation. Since the 2000s a new generation of accessibility tools have emerged that enable practitioners to meet these challenges.

This innovative multi-dimensional perspective re-frames the traditional approaches to understanding and undertaking transport planning. The approach offers the participant an appreciation of the bigger picture of what is needed to plan for sustainable accessibility in new planning practices, while at the same time gaining knowledge of specific details that are necessary for implementation.

The course structure is designed to mirror the content of a new book to be published in the ‘Concise Guides to Planning’ series.

### **Session activities**

1. Introductions – participants; course structure/aims
2. Understanding travel behaviour in planning for accessibility
3. Travel behaviour and urban form
4. Urban Transport and Accessibility
5. The relationship between Built Environment; Socio-Demographics and travel – the persona’s perspective
6. Measuring accessibility – main principles
7. The Neighbourhood – walkability and bikeability
8. The Town Centre – assessing public transport networks
9. Case Study Field Visits
10. Plenary – discussion about field visits
11. The City Scale – measuring accessibility cars, public transport and spatial reach
12. Governance and Accessibility: advocacy groups, public sector agencies, integration and coordination, community involvement
13. Case Study Groups: Accessibility analysis and proposed solutions
14. Governance approach to addressing solutions

### **Approach**

The short course will employ an interactive experiential learning style studio. There will be a mix of lectures, discussions, practical exercises and field visits. We will draw on international examples and apply these to local case study sites that will form the basis for your hands on accessibility analysis. We will also adopt different personas to enable a rich discussion and analysis of the issues. The course will be taught in English.

### **Presenter**

Professor Carey Curtis will present the course. Carey is Director of the Urbanet Research Network at Curtin University, Perth, Western Australia and Guest Professor at K2/ Lund University. Professor Curtis has over 35 years research and planning practice-based experience and has published over 90 articles including three books (Planning for Public Transport Accessibility: An International Sourcebook; Institutional Barriers to Sustainable Transport; Transit-Oriented Development: Making it Happen).

Carey’s research interests cover development planning, transport planning, transit oriented development, personal travel behavior, accessibility planning, governance and transport policy.

### **Date and venue**

The course will be presented over a three-day period from 3rd to 5th June 2019 inclusive, starting at 10:00 hours on Day 1 and finishing at 15:00 hours on the last day.