

Certification Course for Universal Design (UD) Assessors

INTRODUCTION

While BCA has made significant progress in leading the building industry towards Universal Design (UD) adoption through funding and seminars, the industry is still lacking in their knowledge and application of UD. There is a need to build the industry's capability and capacity in adopting UD so as to create an inclusive and age friendly built environment for all ages. The 4-day programme aims to provide an overview of the various aspects of adopting an inclusive approach to design. The course will adopt a multidisciplinary approach to gain an appreciation of UD through the direct contact with varied user groups in a focused context; the pragmatics of UD supported by an understanding of the theoretical framework; and the ability to source for and apply qualitative & quantitative information regarding the fit between human and the built environment.

OBJECTIVES

- Understand regulatory provisions and statutory guides
- Have a greater appreciation of users' needs, capabilities & challenges
- Ability to generate practical concepts that embodies an inclusive philosophy
- Adoption of practical UD strategies through holistic design solutions
- To exceed the minimum specifications and limitations of legislated mandates for an accessible and barrier-free built environment and facilities

CONTENTS

Understanding Human Abilities

- Physical condition (Reach, Mobility)
- Psychomotor abilities (Balance, Reaction)
- Sensorial Ability (Visibility, Auditory, Tactile)
- Cognitive Ability (Wayfinding & Navigation)

Inclusive Design Approach

- Principles of UD
- Profile of Users & Population

Immersive Learning Session (Workshop)

- Developing Mental Models for Design

Code On Accessibility in the Built Environment

- Understanding Objectives of Accessibility Requirements
- Key requirements & Minimum provisions
- Common errors interpretation & implementation

Understanding Universal Design (UD)

- Provisions beyond Code requirements
- Making UD provisions in your development

Conducting Accessibility & UD Evaluation

- About the BCA UD mark
- How to assess your development

Inclusive Public / Mass Housing

- Designing communities & neighbourhood to accommodate social diversity
- Design considerations for 'ageing in place'

UD Case Studies* - Industry's Best Practices

- Design Features, Fittings & Usability
- Connectivity & Access (routes)
- Public spaces (visitability)
- Functional Areas
- Signage & Colour
- Materials & Finishing
- Furniture, Fittings & Ironmongery

*Case studies - UD Award Winning Projects

LECTURERS

This course will be conducted by a diverse group of experienced UD practitioners/architects and experts from the relevant agencies, special-education professors, access consultants and BCA Universal Design Department.

COURSE APPLICATION

Candidates must possess an architectural degree or a building related degree with at least 3 years of relevant experience, or 5 years for diploma holders.

PUBLIC SECTOR PANELS OF CONSULTANTS (PSPC)

Course is recognised for training requirement of at least one professional under the Public Sector Panels of Consultants (PSPC) categories of AR01 & AR02 for Architectural firms and PM01 & PM02 for firms offering project management service. For specific criteria for listing on various PSPC disciplines and panels, kindly refer to <https://www1.bca.gov.sg/procurement/pre-tender-stage/public-sector-panels-of-consultants-pspc>



BLENDED LEARNING

Comprises online and classroom session. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

ONLINE LEARNING VIA WEBINAR:

- 12 Oct 2021 (9.00am to 5.00pm)
- 19 Oct 2021 (9.00am to 5.00pm)
- 20 Oct 2021 (9.00am to 12.30pm)

CLASSROOM (Immersive Learning Session):

14 Oct 2021 (9.00am to 5.00pm)
Venue: BCA Braddell Campus

COURSE ASSESSMENT:

2 Nov 2021 (8.30am to 1.00pm)
Venue: BCA Braddell Campus

FEE (incl of GST): S\$1,485.00

AWARD

e-Certificate of Successful Completion (e-CSC) will be awarded to participants who meet the 75% attendance requirement and passed the required assessments.

TARGET AUDIENCE

Architects, Building Owners, Facility Managers, Project Managers, Town Council Executive, Academics, Interior Designers, Managing Agents, Contractors, Suppliers, Engineers

CPD POINTS

BOA-SIA: -
PEB: -



REGISTRATION

To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/> Login or scan QRcode and search for course code **78014**