



CPD Course | School of Architecture, Planning and Geomatics

Introduction to Spatial Design

UCT, Cape Town, 30 Jan – 3 Feb 2023



UNIVERSITY OF CAPE TOWN
IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD

Course Overview



Introduction to Spatial Design is an intensive course held over five days and provides an experiential snapshot of the design studio and spatial design thinking required for built environment disciplines such as landscape architecture and urban design. ZooDADA introduces abstraction as a design tool, employing various modes as filters or 'design machines' to learn how to communicate and represent what we see and experience in our environment in an architectural language.

This course is a whirlwind introduction to spatial design. The design process from site to programme to design development and production, is condensed into one week. The value of this course is its connection to a tangible site through which both technical and creative spatial design skills are explored and developed.

Course Topics

Form generation: form theory as well as practical prototyping, emergent forms and strategies for spatial organisation

Place: introduces context and genius loci and engages in topographical manipulation of a site

Site analysis: involves a practical session of measuring, drawing and reconstructing a site through plan, section, elevation and models

Programme: students develop a brief and programme for design as well as input from examples of theory and precedent

Design production and process: students engage in a process of design development and production of design through plan, section, elevation, 3D perspectives and models

Representation: throughout the course students are exposed to various ways of representing and communicating spatial design ideas and narratives, including the curation of a body of work

Course Format

Each day will involve students working on their projects in the design studio, attending short lectures will introduce aspects of history and theory of spatial design, and engaging in game-based design workshops. The students will design and prepare a formal exhibition of the week's products to be held on Tuesday 7 February.

Although this course is planned to take place face-to-face at UCT, if Health & Safety regulations do not permit face-to-face delivery, alternative arrangements will be made, and this course may be delivered online. Please see the system requirements below for online delivery, but these also apply to the course in general as students may also make use of online applications.

Even if the course delivery is online, course materials such as stationery and drawing equipment will still be provided.

System Requirements

Minimum/ Recommended requirements for a **stable internet** connection:

- Wireless: 4MB/s (unshaped & uncapped)
- ADSL: 8MB/s (unshaped & uncapped)
- Fibre: 5MB/s (unshaped & uncapped)

Other System Requirements

For the **UCT VPN connection**: CISCO Anyconnect (For this software, we are only looking at operation requirements)

- Windows: Windows 8; Windows 8.1 or Windows 10 x86 (32-bit) and x64 (64-bit)
- Apple: macOS 10.10; macOS 10.11; macOS 10.12; macOS 10.13; macOS 10.15 or macOS 10.15

Recommended system requirements for the **Intro to Spatial Design course**:

- Operating System: Windows 8, 8.1 or 10 (64-bit)
macOS Mojave (Version 10.14) or later
- Processor: Intel/ AMD with 64-bit support, 2GHz or faster with SSE 4.2 or later
- Ram/memory: 8GB or more
- Hard disk: 5GB available for installation & at least 100GB available overall
- Graphics Card: Intel/ Nvidia/ AMD graphics with at least 1GB memory
- Monitor: 1280x800 display

Who Should Attend?

This course has been designed as an intense introduction for:

- Post-graduate students from a non-design based degree who are applying for entry into to design based degrees such as the Bachelor of Landscape Architecture Honours (BLA [Hons]) or the Master of Urban Design (MUD).
- Applicants to other spatial and design courses and degrees (City and Regional Planning, Civil Engineering etc.) who would like to learn skills that would help them make the most of their studies
- Professionals (including those mid / later career) who would like to develop skills in an area they have not been exposed to or may be required in their current work context
- Other practitioners, contractors or interested parties who interface with design professionals who would like to develop an understanding of a facet of built environment design through personal experience

Course Presenters



Albert van Jaarsveld is an architect educated at Cambridge University and currently working for SAOTA Architects in Cape Town. Albert also teaches part-time in the School of Architecture Planning and Geomatics at the University of Cape Town.



Dirk Smit is a landscape architect with industry and academic experience. He has also previously taught the Introduction to Spatial Design and Landscape Architecture course at University of Cape Town and Cape Peninsula University of Technology. He has taught both introductory and advanced computer applications in landscape architecture including AutoCAD, Adobe Suits, Sketchup, Revit and Civil3D. As well as teaching computers he has also secured a publication for his Dissertation in the ProLandscape magazine.

Course Overview

Name	Introduction to Spatial Design
Dates	30 January – 3 February 2023 (Exhibition on Tuesday 7 February) Application deadline: 14 December 2022
Venue	The Studio, Centlivres Building, Upper Campus
CPD points	This course is registered with ECSA and CIFA for the award of CPD points
Fees	Standard fee: R9000 Student fee: R7000*
Required equipment and stationery	Required stationery, drawing equipment, model building supplies and printing credits will be provided to course attendees and are included in the cost of the course.

*Refers to students registered for 2023

Course Assessment

Complete attendance of the entire course and completion of the week's assignments will lead to the awarding of a certificate of completion. Where students are using the course as a prerequisite for entry into either the MLA or MUD, completion and the awarding of the certificate do not guarantee entry to these programmes.

Registration

Registration and Cancellation

- [Register for this course](#)
- Registration covers attendance of all sessions of the workshop and course materials. Please note teas and lunches are not included in the course fees. Campus catering facilities may be closed so students must please bring a packed lunch.
- Accommodation is not included in the cost of the course.
- **Registrations close on 14 December 2022.** Confirmation of acceptance will be sent on receipt of a registration form.
- **Cancellations must be received in writing by 19 December 2022. The full course fee will be charged if you have not cancelled your registration and do not arrive for the course.**
- For more information on application and registration procedures, please visit our website: www.cpd.uct.ac.za

Certificates and CPD Points

Complete attendance of the entire course and completion of the full set of assignments will lead to the awarding of a certificate of completion. Where students are using the course as a prerequisite for entry into either the BLA (Hons) or MUD, completion and the awarding of the certificate does not guarantee entry to these programmes.

The course is registered with the Engineering Council of South Africa and the Cape Institute for Architecture, and is accredited for the award of CPD points, which are required for continuing professional registration. The ECSA course code is UCTISD23

CPD participants can also request a formal university transcript, which will show this course as part of a Professional Development Career.

Contact details

For more information or details on CPD courses, visit our website or contact us.

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