

Short Learning Programme (SLP)

Applied Green Building

Content of the SLP

The Applied Green Building SLP is designed to train construction industry professionals to perform as green professionals who could lead the transformation of the construction industry through green building practices to ensure the future wellbeing of our Planet. This unique course combines theory and practice.

This SLP offers a certificate in applied green building, contextualised within emerging economic, environmental, and social issues, and providing practical guidance on the application of green building design strategies, techniques, and methods.

This course provides world-leading insight into sustainable architecture and the built environment and will prepare students for employment in green building design and construction activities by applying the design strategies, techniques, and methods of environment-friendly design and resource efficiency to the construction industry. It provides a unique opportunity for professionals and students alike to strengthen their knowledge and gain a career advantage in the field of sustainability – an area of increasing global significance.

The aim of this course is to enable the student to evaluate, prepare, and apply green building design strategies, techniques, and methods to green building attributes in furtherance of green building design and construction activities. It will enable participants to explore issues related to the built environment and sustainability and allow students to become familiar with a variety of practical techniques to address such issues in the design and making of buildings, environments, and landscapes. By the end of this course, students should be able to incorporate these ideas into further study and eventually into their practice of building science, architecture, interior architecture, landscape architecture and related disciplines.

Core coursework includes:

- Key tenets of green building design and construction activities
- Attributes of green building design and construction activities
- Design strategies for each of the attributes
- Techniques for each design strategy
- Technologies for each design strategy

Who should attend?

- Property industry professionals such as Architects and Architectural Technologists, Interior Architects and Designers, Engineers and Engineering Technologists, Town Planners, Quantity Surveyors, Construction and Project Managers
- Facility Managers
- Bid Teams
- University Academics (relevant fields)
- Environmentalists (graduates)
- Other recognized professionals in the building industry

Entry Qualification

Admission into certificate programs requires an educational background in architecture, construction, engineering, or a related field.

- A successfully completed bachelor's degree which is recognized by the University
- A professional qualification in a relevant field obtained from a recognised professional institution

Course Structure

The course consists of 7 credit modules. This equates to 70 hours of self-directed study for the whole Certificate and approximately 10 hours of study and assignment preparation per week. Each module has topics and assignments.

The course is 100% online. You will need access to a computer and broadband internet for viewing notes, watching videos, downloading content, engaging with lecturers in online chats, and submitting assessments.

There are no required texts, but extra reading and internet research is recommended to help your understanding of the topics. A list of additional reading is provided with the course content.

Course content

- Study Unit 1: Environmental Impact of Development
- Study Unit 2: Sustainable Building and Construction Activities
- Study Unit 3: Climatic Considerations and Comfort
- Study Unit 4: Sustainable Sites
- Study Unit 5: Water Conservation
- Study Unit 6: Energy Conservation
- Study Unit 7: Materials and Resources



FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT



How to apply?

The SLP is housed within the University of Johannesburg's Faculty of Engineering and Built Environment. The entry level is NFQ 5.

- New Applications, please follow this [link](#) and use the Token: **FEBESLP**.
- If you are already registered at UJ or have been registered please follow this [link](#) and use your **student number and pin** to log in.
- Email the copies of your academic transcript, your highest obtained certificate and ID document to ujappdocs@listsrv.uj.ac.za and CC Ms Maggy Ngolwane (maggyn@uj.ac.za) with **your student number as the subject line** – to expedite your application. Ms Maggy Ngolwane is handling applications and registrations for the course.
- For further enquires please contact Elmarie Potgieter.
- Email address: peets@uj.ac.za
- Telephone number: +27 11 559 6430

Duration & Fees

This course will be rolled out during 2021 (dates to be confirmed) and equates to 70 hours of self-directed study for the whole Certificate and approximately 10 hours of study and assignment preparation per week. The fee for the online course is a total of **R9 500**.

For more information: www.uj.ac.za/faculties/febe/peets

