

Short Learning Programme (SLP)

Green Building Institutional Arrangements: Legislation, Regulation, Policies & Systems

Content of the SLP

Much of the current construction spend is occurring in infrastructural services such as water and electricity development, and in previously disadvantaged areas where the activity not only contributes to an improvement in the quality of life of the inhabitants, but also offers job opportunities. Construction industry activity therefore affects the lives of every South African daily.

However, construction activity consumes a substantial amount of natural resources resulting in almost 50 per cent of all resources consumed globally, 45 per cent of all energy consumed, 40 per cent of all potable water consumed, 60 per cent of prime agricultural land consumed, and 70 per cent of all timber products consumed being taken up in the construction and maintenance of the built environment.

Many of the resources consumed by the construction industry are sourced from non-renewable resources. In addition, the raw materials required by the industry are often supplied by the extraction industries which have its own consequences on environmental conservation and management.

One of the strategies adopted by the construction industry to improve the environmental performance of its products is the application of green building principles. Green buildings aim to minimise environmental impact while improving indoor environmental health for the benefit of occupants. The application of green building practices can be through a number of instruments, including legislation, regulation, codes, and rating tools.

Thus, in order for the construction industry to sustainably continue, and even accelerate, the construction and maintenance of the built environment, significant interventions are required in the manner in which the construction industry sources, uses, and maintains the materials it requires.

All construction activities take place within the legal and regulatory as well as the administrative framework present within South Africa. As a result, aspects of governance are also relevant to sustainable development, in addition to those aspects related specifically to building construction. While the challenge of sustainability is global, the strategies for addressing sustainability in building construction are local. These strategies must reflect the context not only in the built and natural environment, but also in the social environment. This social environment includes cultural issues, legislation, and regulation, as well as the needs and concerns of all the users and the interested and affected parties involved.

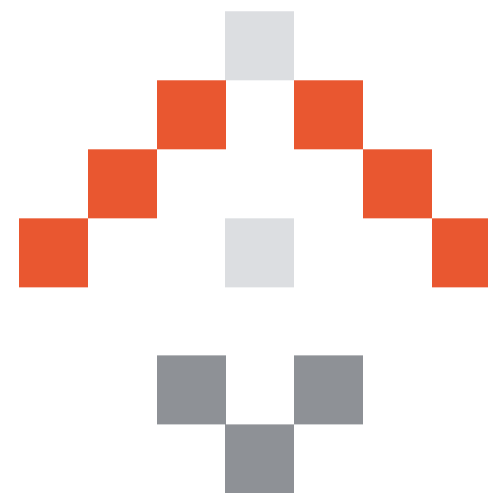
Outcomes

This short learning programme will introduce the concepts of green building relating to the goals of sustainable development, green building institutional instruments, green building assessment methodologies, Green Star SA green building rating tool methodology, green building rating tool critiques, case studies, and business opportunities. Participants that pass the course should be able to:

- Demonstrate an understanding of the basic theories, design principles and current practices related to green building design and construction.
- Demonstrate an ability to access, study, critically analyse and insightfully interpret relevant government policy and regulation to successfully execute green building projects.
- Demonstrate understanding of the ethical responsibilities of design professionals with respect to green building design and construction and be aware of the implications building design and construction has on social and environmental well-being.
- Demonstrate an appreciation of the purposes, scope, utilisation, differentiation, and limitations of international green building assessment systems.
- Demonstrate understanding of the application of basic green building design principles in the design of the built environment. These include techniques related to energy use, resource cycles, understanding climate, ecology and natural systems and being aware of health and psychological factors in design.



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 & Investment

The SLP is a self-taught 5-day online course, which you can do at your own pace over the course of 5 days.

Interactive material such as online recorded lectures and reading material will be provided.

You will spend around 100 hours of personal study on the course.

Investment: R9 500

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