

UNIVERSITY OF JOHANNESBURG

Process, Energy and
Environmental Technology
Station (UJ PEETS)

ENVIRONMENT

Waste Optimisation
Air Quality Management
Environmental Efficiency



Short Learning Programme (SLP) Green Building Application

EARN A CERTIFICATE!

The 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. It 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.

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.

WHO SHOULD ATTEND?

The following people should attend the SLP: Property industry professionals, Facility Managers, Bid Teams, University Academics (relevant fields), Environmentalists (graduates), and or any other recognized professionals in the building industry. The entry level is NQF 5.

ABOUT THE COURSE

CORE COURSEWORK

- 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

COURSE STRUCTURE

The course consists of 7 credit modules. This equates to 70 hours of self-directed study. Approximately 10 hours of study and assignment preparation per week. Each module has topics and assignments. The course is 100% online. 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

For further enquiries send an email to peetstraining@uj.ac.za

