



# CENTRE FOR RENEWABLE & SUSTAINABLE ENERGY STUDIES

## Postgraduate Diploma in Engineering (Mechanical Engineering) in Renewable and Sustainable Energy Studies 2021

### Scope:

This postgraduate diploma (Pg Dip in Eng) is aimed at prospective students with a BTech/ Advanced Diploma in engineering or BSc degree who want to gain additional background in renewable energy with a strong emphasis on the sustainability of the resources and technologies. The programme consists of 8 postgraduate modules of at least 15 credits each normally on the 700 level + Professional Communication [0 credits]. Most of the modules are presented by the Faculty of Engineering and the School of Public Leadership at Stellenbosch University. This document should be studied in consultation with the **PG Schedule for 2021**.

### Modules:

The PG Dip (Mechanical Engineering) in Renewable & Sustainable Energy:

<b>Required Modules:</b>		
Renewable Energy Systems	714	Department of Mechanical and Mechatronic Engineering
Renewable Energy Policy	771	School for Public Leadership
Professional Communication	771	
<b>Choose six:</b>		
Sustainable Development	771	School for Public Leadership
Project Economics & Finance	712	Department of Civil Engineering
Hydro & Ocean Energy	744	Department of Mechanical and Mechatronic Engineering
Wind Energy	744	Department of Mechanical and Mechatronic Engineering
Advanced PV Systems	744	Department of Electrical and Electronic Engineering
Energy Storage Systems	774	Department of Electrical and Electronic Engineering
Integrated Supply Side Technology	774	Department of Electrical and Electronic Engineering
Smart Grid Technology Overview	774	Department of Electrical and Electronic Engineering
Bioenergy	744	Department of Process Engineering
<b><i>Prospective students should note that the modules offered to Pg Dip in Eng students will be revised every year, taking into account the fast-changing context of renewable and sustainable energy, and the availability of experts in these fields.</i></b>		
Students may apply to the Postgraduate Coordinator for recognition of modules done at other departments or institutions. However, no recognition can be granted for modules done as part of another qualification.		

### Duration:

One year full-time, or two years part-time (all students are registered as full-time students).