



THE UNIVERSITY OF THE WEST INDIES
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UNIVERSITY OF WEST INDIES

ON-LINE CATALOGUE OF RENEWABLE ENERGY EDUCATIONAL OPPORTUNITIES

COURSE /PROGRAMME DESCRIPTIONS	APPLICATION DETAILS	HYPERLINKS	CONTACT INFORMATION	SCHOLARSHIPS	EVENTS
ENSC 2003 Sustainable Energy Systems					
<p>This course is intended to provide students with a concise description of available renewable fuel sources commonly used to generate electricity and other forms of energy in modern society. The availability of the various renewable energy sources, clean technologies, efficiency, and cost will be explored in detail for the most typical forms. This will allow students enough detail on energy options such that alternatives to oil and other fossil fuels may be examined.</p>	Semester 2		legena.henry@cavehill.uwi.edu		Renewable Energy Research Experience for Undergraduates - students who perform well in this course are invited to apply

PHYS 3460 Physics of Sustainable Energy Systems

This course introduces the physical principles for a range of sustainable energy systems focusing on solar PV/thermal, Marine Power, Biofuel, and Wind Energy. The course demonstrates how the application of methods and principles of physics allow us to understand the operation, advantages, limitations, and relative merits of various sustainable energy system options. It will be taught as 24 (50 min) lectures and 12 (50 min) tutorials.

Semester 2,
Application
deadline January
15th annually

legena.henry@cavehill.uwi.edu

Renewable Energy Research
Experience for Undergraduates -
students who perform well in this
course are invited to apply

Renewable Energy Research Experience for Undergraduates, Summer research program

The UWI Cave Hill REREU seeks to promote the value of graduate education, to improve the local and regional research enterprise through increased participation of UWI Cave Hill undergraduates, and to prepare and recruit the best and brightest for graduate education at UWI Cave Hill. REREU began in 2019, funded by the IDB to address the issue of Barbados' national goal of using 100% renewable energy on a national scale by 2030. REREU identifies and recruits talented UWI Cave Hill undergraduate students who work for 8 weeks in the summer semester on campus, conducting renewable energy research under the guidance of UWI Cave Hill faculty members and advanced graduate students.

June-July annually, perform well in ENSC 2003/PHYS3460 lab write-up and participation grade. Apply via an email with resume by April 30th, annually.

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Stipend paid by IDB for each student of \$100 BBD per week for 8 weeks in summer. Stipends sponsored by the IDB

CERMES Renewable Energy Management Program (in development)

This new master's programme will respond to the growing need for capacity within the Caribbean as countries increasingly transition to sustainable energy sources for their socio-economic development. The proposed MSc programme, consisting of twelve (12) modular (2-3 week) courses and a research project, will be geared towards early to mid-career women and men in policy, planning and management positions involved in the national, sectoral or commercial transition towards the use of renewable energy sources. This will not be a very technical or engineering-focused degree, but one that builds the capacity for making strategic planning choices by understanding the main issues and possible solutions.

This is in process and not yet finalized

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