Supported by:



Federal Ministry for Economic Affairs

and Climate Action



JUNE 27, 2024



THE UWI MONA FACULTY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF PHYSICS **PHYS2800** FUNDAMENTALS OF EV TECHNOLOGIES

On offer in Semester 1 2024-2025

First Cohort Completed

The first offer of the course PHYS2800 (Electric Mobility: Fundamentals of EV Technologies) in Semester 2 2023-2024 has been completed at The UWI, Mona. Thirty-one students registered for the course from the Faculties of Science and Technology and Social Sciences. The UWI course lecturers were Dr. Louis-Ray Harris and Prof. Tannecia Stephenson, with guest lecturers from industry and other educational institutions.





Partnerships

PHYS2800 was developed by The UWI, Mona through funding support from the German Federal Ministry for Economic Affairs and Climate Action (BMWK) via their International Climate Initiative (IKI) and in cooperation with the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). The course was delivered by UWI Lecturers and guest lecturers from the Jamaican-German Automotive School (JAGAS), Jamaica Public Service (JPS), Tropical Mobility and the University of Trinidad and Tobago. The UWI, Mona Department of Physics thanks all our partners! Supported by:



on the basis of a decision

by the German Bundestag

Federal Ministry for Economic Affairs and Climate Action

SITE VISITS

INTERNATIONAL

CLIMATE INITIATIVE

As part of the PHYS2800 course experience, there were site visits to JAGAS and JPS facilities, which enabled students to interact with an EV used for training purposes and to interface with charging infrastructure.

IKI(O

At the JPS charging station, students benefited from interactions with a senior engineer, who explained the different charging standards employed by JPS.

THIS COURSE IS A LEVEL 2 OPEN ELECTIVE AVAILABLE TO ANY UWI MONA STUDENT. ALL THAT IS REQUIRED FOR REGISTRATION IS HOD'S APPROVAL. REGISTER TODAY!



SECOND EV COURSE NOW AVAILABLE FOR SEMESTER 2 2024-2025



The UWI, Mona now has a **second EV course – Dynamics**, **Safety and Economics of EV Technologies (PHYS2801)**. Join us as we explore the workings of EVs; principles and practices related to safety; and the economic feasibility of the adoption of EVs in residential and business contexts. The course will demonstrate the interdisciplinary nature of the EV ecosystem.

The course is open to all students who have successfully completed PHYS2800 or Engineering Circuit Analysis and Devices (ELET1500).

Be prepared for the unfolding revolution! Register for PHYS2800 in Semester 1 and PHYS2801 in Semester 2 2024/2025!

Why should you do this course? PHYS2800 is a relevant course as it allows students to better understand the changes in the transportation industry as it relates to electric vehicles. The course content does not delve heavily into scientific language or technical terms which makes it an ideal elective for students across all faculties. The course does not only rely on the lecturers to deliver the content but also incorporates industry professionals and site visits so that students can better relate and apply the content.

Sue-Ellen Pingue, PHYS2800 Student

https://www.mona.uwi.edu/physics/courses/phys2800/electric-mobilityfundamentals-ev-technologies 02/02