



3 Credit Hours

Monday, Wednesday, & Friday

9:30 - 10:30 AM

Room: AM-104 (Edf. Agrícola Mecánica)

Instructor: **Dr. Eric Harmsen**

Course Description:

Climatology related to environmental conservation and sustainable agricultural production. Theoretical and practical considerations of precipitation, evaporation, evapotranspiration, photosynthesis, wind speed and direction, solar radiation, water and energy budgets, and satellite remote sensing.

Prerequisites:

- Fifth year student or consent of the Director of the Department.

Additional:

- Students will be introduced to different computer software packages including **CropWat**, **PR-ET**, **SMath**, **MatLab**, and **GOES-PRWEB**. Prior knowledge of these programs is not necessary.
- Weather parameter measurement sensors and equipment.
- Course lectures will be given primarily in **English**.



The Professor:

Dr. Eric Harmsen, Ph.D., is a professor in the Dept. of Agricultural and Biosystems Engineering. His research interests include agricultural hydrology, agroclimatology and irrigation. His undergraduate studies were conducted at Michigan State University, and his graduate studies at Michigan State University, the University of Wisconsin and North Carolina State University. He has lived in Cabo Rojo, PR with his wife and children for 13 years.