



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Meteorology

MET 509 – Advanced Radar and Satellite Meteorology Applications

COURSE PARTICULARS

Course Code: MET509

Course Title: Advanced Radar and Satellite Meteorology Applications

No. of Units: 3

Course Duration: Two hours of teaching per week for 15 weeks.

Status: Compulsory

Course Email Address: met509@gmail.com

Course Webpage: <http://www.fwt.futa.edu.ng/courseschedule.php?coursecode=met509%204>

Prerequisite: MET 309, MET312

COURSE INSTRUCTORS

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COURSE DESCRIPTION

The technology of Radar and Satellite in weather feature identification and forecasting is milestone in Meteorology. The course will provide students with the knowledge of weather forecasting using radars and satellites. How satellites use irradiance to detect and measure atmospheric parameters forms the major foundation of this course. Interpretation of satellite imageries of upper level features, wind contour and streamline pattern will be discussed. Identification of synoptic scale systems, inter tropical convergence zone (ITCZ), subtropical highs, frontal systems and anticyclones will be dealt with.

COURSE OBJECTIVES

