

Department of Architecture
Federal University of Technology, Akure
ARC 810 Applied Climatology Assignment 2006/2007 Session

Assignment One:

This assignment is a documentation of the weather station located at the Oba Kekere campus of the Federal University of Technology, Akure. Specific equipment and procedures have been selected to form the basis of term papers as listed below. While students are free to use materials from other sources, all primary data should be obtained from the weather station located at the Oba Kekere campus of the Federal University of Technology, Akure.

Students should form groups with a maximum of 3 (three) students per group. Each group should select one of the topics listed below and prepare a term paper or report formatted on A4 paper. The paper should be 5 – 15 pages long, including photographs, tables, figures and other illustrations. The paper will be assessed based on both content and presentation. The maximum score for the paper is 15 marks, but submissions in electronic format (on CD or by email) will attract a maximum of 4 bonus marks, subject to a maximum of 15 marks.

Students are advised to pay particular attention to paper organization and structure, language, spelling and quality of illustrations. Submission in Microsoft Word format is preferred, although high resolution graphics may be saved into a subdirectory and linked to the document.

Students should specify their preferred paper topic by indicating their matriculation number and full name against the preferred project topic in the table below. This should be passed to me through the class representative. Group members can also send me an email with the choice of topic. In this case students must receive acknowledgement and approval from me to confirm that the chosen topic has not yet been taken.

All submissions must reach me by midnight April 2, 2007.

Topic	Matriculation number and full name
Components of an automatic weather station.	
Procedures and format for data collection at an automatic weather station.	
The automatic rain gauge.	
Wind measuring sensors (Wind vane and anemometer).	

Topic	Matriculation number and full name
Humidity sensors.	
The Stevenson screen.	
Soil earth thermometers.	
Sunshine recording equipment.	
Equipment for measuring evaporation.	
Location and design of a weather station.	
Proper maintenance of a weather station.	

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Assignment Two:

Collect climatic data for Akure for the year indicated against your name. Produce a report including the following:

1. A description of the source, time and process of data collection and analysis.
2. A climatic data sheet including temperature, humidity, precipitation, solar radiation and wind data.
3. A climatic chart depicting the data shown on the climatic data sheet.
4. Comments on the climate of Akure based on the collected data and implications for architectural design.

Students are advised to pay particular attention to paper organization and structure, language, spelling and quality of illustrations. The paper should be on A4 paper and should be 5 – 10 pages long, including tables, figures, charts, plans, photographs and other illustrations. The paper will be assessed based on both content and presentation. The maximum score for the paper is 15 marks, but submissions in electronic format (on CD or by email) will attract a maximum of 4 bonus marks, subject to a maximum of 15 marks.

Submission in Microsoft Word format is preferred, although high resolution graphics may be saved into a subdirectory and linked to the document. The use of a Microsoft Excel chart for the climatic data chart should be considered.

All submissions must reach me by midnight April 2, 2007.

SN	Matric No.	SURNAME, Other Names	Year
1	ARC/98/0568	OLANIPEKUN, Babatunde Philip	1983
2	ARC/98/1041	AKANLE, Olayemi Abiola	1984
3	ARC/98/1053	Smith O. Lasbat	1985
4	ARC/99/2369	ADESIDA, Adeyemi Charles	1986
5	ARC/99/2377	Awoyele Olanrewaju Baju	1987
6	ARC/99/2381	Ebiesuwa Oladeinde F.	1988
7	ARC/99/2382	EGIGBA, Awwersuoghene Kingsley	1989
8	ARC/99/2383	GABRIEL Eguakun Edison	1990
9	ARC/99/2385	IMAMA, Ikhide, Clive	1991
10	ARC/99/2386	KEHINDE, Joseph Oludare	1992
11	ARC/99/2391	OLABODE, Taiwo Gabriel	1993

SN	Matric No.	SURNAME, Other Names	Year
12	ARC/99/2394	OMOYA, Tosin Danjuma	1994
13	ARC/99/2395	OSO, Oluwaniyi Oluwagbemi	1995
14	ARC/99/3556	EHINAFE, Olakunle Felix	1996
15	ARC/00/4945	ADEBUSUYI, Adeseye Moses	1997
16	ARC/00/4969	IKUDAYISI, Ayodele Emmanuel	1998
17	ARC/00/4980	OLATUNBOSUN, Bukola Cosmos	1999
18	ARC/00/4986	OSHIOMOGHO, Andrew	2000
19	ARC/00/4993	SOLANKE, Abiodun	2001
20	ARC/05/7254	AYO-BELLO, Gbenga Ayodeji	2002
21	ARC/05/7255	BABARINSA, Michael Bolaji	2003
22	ARC/05/7259	FALEYE, Samuel Olumide	2004
23	ARC/05/7530	FANIRAN, Oluseyi Mayowa	2005