

AEEGY 203A Wind Energy Conversion System

PART (1)

CLASS LESSON NOTES FOR BASIC CONCEPTS AT FOUNDATION/ADVANCED DIPLOMA LEVEL

In this subject you will learn about wind energy conversion systems. You will develop specialised knowledge and skills relating to:

- Introduction to wind as a natural resource
- Energy, power and wind
- Wind characteristics
- Data acquisition methods
- Site characteristics
- Correlation, wind and site
- Predicting energy output
- Turbines, types and construction
- Wind Energy Conversion Systems (WECS) sizing
- Retrospective performance.

ME 202 Introduction to Aero Dynamics

http://www.filefactory.com/file/401s96o982uf/n/ME_202_Introduction_to_Aero_Dynamics_pdf

ME 234 Wind Turbines

http://www.filefactory.com/file/30w0u2u36a19/n/ME_234_wind-turbines_pdf

ME202 Part 1

http://www.filefactory.com/file/7axzc9j37g91/n/ME202_Part_1_zip

ME202 Part 2

http://www.filefactory.com/file/2tlei8t6e4xn/n/ME202_Part_2_zip

ME202 Part 3

http://www.filefactory.com/file/6mt5m5wi6dfn/n/ME202_Part_3_zip

ME 234 Part 1

http://www.filefactory.com/file/1f2dio8ik4zd/n/ME_234_Part_1_zip

[ME 234 Part 2](#)

http://www.filefactory.com/file/olr2lwjdpc5/n/ME_234_Part_2_zip

[ME 234 Part 3](#)

http://www.filefactory.com/file/117k3a3shh4f/n/ME_234_Part_3_zip

PART (2)

REFERENCE TEXT BOOKS & WEEKLY –LESSONS AT ASSOCIATE DEGREE LEVEL (SELF STUDY)

TEXT BOOK- Textbooks can be copied from USBs & DVD.

Prescribed Texts:

Boyle, G, 2004, *Renewable Energy: Power for a sustainable future*. 2nd edition, Oxford University Press