

PHYS 642

Applied Renewable Energy & Environment Physics

- 1) Chapter 1 Introduction to renewable energy
- 2) Chapter 2 Fundamentals of solar energy.
- 3) Chapter 3 Solar energy Applications.
- 4) Chapter 4 solar photovoltaic systems.
- 5) Chapter 5 Electrochemical energy storage systems.
- 6) Chapter 6 wind Energy.
- 7) Chapter 7 Geothermal Energy.
- 8) Chapter 8 Biomass Energy.
- 9) Chapter 9 Ocean Energy.
- 10) Chapter 10 Hydrogen and Fuel Cells.
- 11) Chapter 11 Energy and the Environment.

Report on:

1-Electrochemical energy storage systems

2- Solar photovoltaic systems

References:

- 1- Mehmet Kanoglu, Yunus A. Cenge, John M. Cimbala” Fundamentals and Applications of Renewable Energy, Second Edition 2nd Edition, McGraw Hill; 2nd edition (July 21, 2023)