



**Mechanical Engineering**  
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**ME 289(AUG) 3:0**

## Principles of Solar Energy Engineering

**Instructor(s):** GSVL Narasimham

**Course description:**

Introduction, solar radiation – fundamentals, fluid mechanics and heat transfer, methods of collection and thermal conversion, solar thermal energy storage, solar heating systems, solar refrigeration, solar thermal elective conversion. Other applications.

**Prerequisites:**

**Resources:**

Kreith,F.,and Kreider,J.F.,Principles of Solar Thermal Engineering

**Outcomes:**

**Additional information:**

**Course website:**