

## **2.996 Fundamentals of Advanced Energy Conversion Lecture Memo**

**Lecture number: 11**

**Date: March 10<sup>th</sup>, 2004**

- **Power ratings of different applications**
- **Chemical kinetics of H<sub>2</sub> and O<sub>2</sub> reaction**
- **Reaction rate equation**
- **Forward and backward reactions**
- **Activation energy**
- **Ozone reaction**
- **Single step kinetics**
- **Well stirred reactor: Governing equations, T-Q diagram, efficiency and blowout**