1. GENERAL OBJECTIVE:

Learning to solve some engineering problems related to working substances, their properties and their transformations, with the transfers of energy, work and heat associated, applying the laws of nature (conservation of mass, the momentum, the first law of Thermodynamics, or energy conservation, and the second law of thermodynamics) and the relations of constitution of substances, using a systemic approach in creating physical and mathematical models for the prediction and study of the behavior of thermodynamic systems.

2. CONTENTS:

- Module 1: Introduction and Basics.
- Module 3: The second law of thermodynamics. Entropy
- Module 4: Mixtures and Solutions nonreactive. Sycrometry
- Module 5: Combustion

3. EVALUATION:

Monitoring 70%
- Partial Exams.
- Workshops and / or tasks
- Course Project

Final Evaluation 30%

4. BIBLIOGRAPHY: