

INDUSTRIAL PROCESSES

COURSE OUTLINE

ENERGY;

Basic electrical terms: amps, volts, ohms, watts,
Energy heat, motion (Potential, Kinetic)
How obtained: Hydro, solar, wind, coal, petroleum, gas, nuclear, wood
Coal: Types and sources in the world
Petro Types and sources in the world
Extraction and refining

WOOD:

Types: (Hard-Soft)
Grain
Strength
Cutting
Uses and by products

METALS:

Mining, Refining, Purification, Alloys
Iron
Steel
Tin
Copper
Brass Bronze
Aluminum
Zinc
Lead
Gold
Silver
Rare Earths

CHEMICALS:

Inorganics NaCl
NaOH
Na₂ CO₃
KOH
Organics
Plastic, soap, drugs

CEMENT: