

# 410-2204/01 - Power Energy Generation and Utilization ( VUEE )

## Questions - part Generation:

1. Thermal power stations
  - basic types - condensation power plants and heating plants
  - typical diagrams
  - Rankine cycle diagram
2. Nuclear power plants
  - controlled nuclear fission
  - interaction between neutrons and fissile isotopes
  - boiling water reactor - pressurized water reactor
3. Water power stations
  - generating methods
  - scheme of pumped - storage plant
  - types of water turbines
  - multipolar synchronous generator
4. Unconventional sources
  - types of plants
  - photovoltaic scheme
  - photovoltaic types
  - fuel cells - scheme
5. Electric part
  - synchronous generator - speed, types
  - transformer principle