

## **Abstract**

of course work “Heat and Mass Transfer”

(credit 1.3.1.5/2)

Course work “Thermal design of finned heating surfaces” includes calculations:

1. Heat balance and thermal properties of heat carrier;
2. Constructive characteristics of heat exchanger;
3. Calculation of heat transfer surface area;
4. Conclusions of thermal calculation;
5. Technical and economic calculation.

The graphical part is not provided by working program of this module.

Individuality of course work is determined by initial working parameters of heat exchanger with finned heat transfer surfaces and type of gas heat carrier.