

MECH 262 REVIEW 2014

◦ ENERGY SOURCES

- GEO EXCHANGE
- SOLAR WATER HEATING
- SOLAR VOLTAICS
- ENERGY MOTIVATIONS

◦ CONVECTION → FINDING  $h$

- NATURAL CONVECTION
  - INTERNAL / EXTERNAL
- FORCED CONVECTION
  - INTERNAL
  - EXTERNAL

ASSIGN #4

ASSIGN #5

◦ HEAT EXCHANGERS

TUTORIAL WK #9

- LMTD METHOD

← ASSIGN #6

- NTU - EFFECTIVENESS METHOD

← ASSIGN #7

◦ TRANSIENT HEAT TRANSFER

- BULK OR LUMP SYSTEM ANALYSIS
- BIOT NUMBER

← TUTORIAL WK #10

◦ RADIANT HEAT TRANSFER

- LARGE ENCLOSURES
- 2D SURFACE ENCLOSURES