

Lecture Note 0

Engineer=En + Genius

Engineering=Things or works that Engineer makes

=Generation of something (through hands, knowledge)

=Things that only Genius can make

=Thus be very proud that you are the Engineer

Chains of True Knowledge (from Prof. Pahk)

=Eye/Ear -> Brain -> Heart -> Hands/Foot

Even one is missed, True knowledge chain cannot be completed.

Therefore, the following is very important statement:

"Theory/Story/Scenario/Talking is not enough

Practice/Execute/Act/Exercise is to follow"

Then you are geared into True Knowledge.

實事求是 格物致知 (大學)

실사구시 격물치지 (대학)

“Practice gives Right direction,

Master/Experience leads to True Knowledge”

Mechatronics=Mechanics+Eletronics

=Key subjects/skills for mechanical engineers to equip

1) Fundamental Electrical circuit to
understand/design/implement

2) Digital circuit and Microprocessor to
understand/design/implement

3) Software programming skills to drive the
mechatronics system

4) Practical project design/implement/demonstration