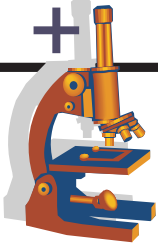


1 + Practical Activity (PA)



 **Not just “lab”**

 **Practical period**

To be or not to be ...

 **A note about this “Workshop”**



 **Classic lab**

Physical instruments, procedures

 **Soft lab**

 **Special computing lab**

 **Guided/supervised activity**

 **Tutorial: exercise assistance**

 . . .



Computing education: liberal arts?

 What message?

 Consequences: wrong attitudes

Our experience

What students are telling us?



Who shouldn't design PA instruction?

- Lab technicians/attendants
- Lab/PA instructors
- Teaching assistants (Mu'eed)
- Dept. head, Dean, etc.
- Dept. committee or Council (majlis)



 **As student in Engineering KAU**

 **As instructor**

 101/201: programming prep, support some material

 212/214: mixed assembly learning unit + help selected homework problems

 223: tutorial help with textbook problems



My Top Five

- Start with your goals: what purpose?
- Align with course objectives
- Support course material (reinforce or extend)
- Sync with course time line
- Lab instructor orientation + follow up



- ✎ **Minimum: feel free to do more**
- ✎ **Start: suggestions welcome**
- ✎ **Session sheet: pick what applies**
- ✎ **Feel free to innovate**



Three parts (documents)

- ✎ PA (Lab) Instruction Design Template
- ✎ PA (Lab) Sheet Template
- ✎ Session Activity Template