問題為本學習
(Problem-based Learning)

Setting learning objectives

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The characteristic of Problem Based Learning

- **The work had to be empirical**

- **Offering resources and guidelines**

- **Acquire knowledge through discovering and problem solving**

- **No routine lecture or exercise**

Objectives of PBL learning mode

To help students to develop the followings skills

or abilities effectively

    1. Critical thinking

    2. Solving empirical problem

    3. Collect, evaluate and use resource (knowledge)

    4. Collaborative learning skill

    5. Verbal report and communication skill

Background

Module: Educational Statistics

Number of lesson:2

Number of students: 10

Participants: BEd(P) + BEd(S) Year 4 students
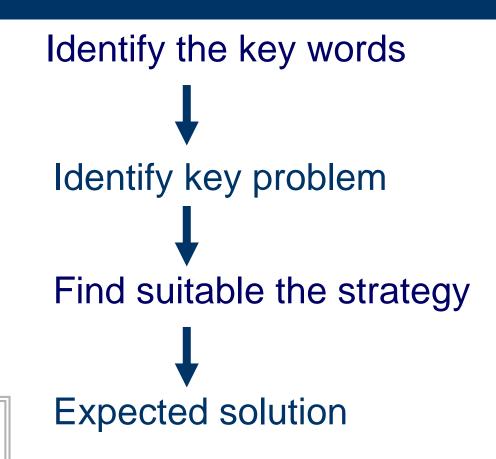
Objectives of the statistics lesson

After the lesson, students can

1. identify the focus of the problems

2. apply statistics knowledge to solve

   the empirical statistics problem

3. search for, collect and use proper resources

4. learn collaborative and communication skills

5. do oral presentation

Objective I (Identify key problems)

Identify the key words

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Identify key problem

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Find suitable the strategy

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Expected solution

Objective II (Using statistics knowledge)

- Scenarios 1: 1. Personal factors

  2. Social factors
- Scenarios 2: 1. Qualitative analysis

  2. Quantitative analysis
- Scenarios 3: 1. Correlation analysis

  2. Regression analysis
- Scenarios 4: 1. Independent sample t - test

  2. Confident Interval
- Scenarios 5: 1. Regression model

Objective III (proper resources)

- **Journals**
- **Websites**
- **Lecture notes**
- **Texts**

Objective IV (Collaborative learning)

- Find and share useful information
- Identify the key problems
- Find a suitable strategy
- Carry out the plan collaboratively

Objective V (Communication skill)

- Presentation
- Group Discussion

Thank you!