問題為本學習
(Problem-based Learning)

Setting learning objectives
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

Identify key problem

Find suitable the strategy

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!