



Application of project based learning for improving skills in fisheries research : learning by doing

Amonsak Sawusdee

School of Sciences, Walailak University, Thailand

Overview:

Research skills for undergraduate students are very importance especially in fishery science. Current job opportunity required students who have ability and ready to do work as researcher. Therefore, active learning e.g. project based learning is needed in order to provide students opportunity to conduct their research in real situation.

Aim and Objectives:

Students able to apply their knowledges and skills for a health service activity.

Activities:

In class: Lecturing core knowledge, practicing computer skills, discussing communication and analytical skills....get their brain ready in academic support.

Outside class project: Learning by doing Learning from problem and mistake...let them try applying knowledge from teaching class to solve problem In real situation

Outcomes:

Intended:

Students improve research skills and get higher score from assessment

Unintended:

Improve team work and self confident
Better act as a real researcher when finished study (survey from their work station)
Some students immediately get a job after finished cooperative or training course in 4th years of study

Impacts:

Students Improve both academic and professional skills
Increase participation in teaching processes
Enjoyable course, fun and relax

Academics Improve the better way to train students
Some tasks can be published in academic journals

Community Problem solving
Increase social relationship (Uni & Community)
Academic services

Future Development of Project

By assessment and observation, students need advice about how to communicate in field study and how to present their work effectively. Writing skill for academic publication is also desired. Therefore, future development will be focused on the two requirements.



Reference

Stephanie Bell (2010) Project-Based Learning for the 21st Century: Skills for the Future, The Clearing House: A Journal of Educational Strategies, Issues and Ideas, 83:2, 39-43, DOI: 10.1080/00098650903505415