ACQUISITION OF TEACHING COMPETENCE THROUGH RESEARCH

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Linking Research and Teaching: The Different Views

- Some claim that the best researchers are usually the best teachers (e.g. Cooke, 1998)
- Others dispute this claim (e.g. Jenkins, 2000)



Two Basic Questions are:

Do academics need to be grouped as:

- ·teachers, researchers,
- •or teacher-researcher?

Does Teaching-Research Interaction exist?



We are all researchers.

In a 'knowledge society' as a university, all graduates – have to be researchers (Scott 2002)

Research and inquiry is not just for those who intend to pursue an academic career.

It is central to professional life in the twenty-first century." (Brew 2007)

As a business man, you need to research the market.

The Term "Teacher-Researcher"

- Teachers daily routines consist of instructing students, grading papers, taking attendance, evaluating their performance as well as looking at the curriculum
- In addition to the above, Teacherresearchers raise <u>discussions</u>, <u>questions</u>, <u>tutorials</u>, <u>term papers</u>, <u>mini projects</u> about what they think and observe on the real-life applications of the course.

Linking Research and Teaching: Basic Fluid Dynamics as case study

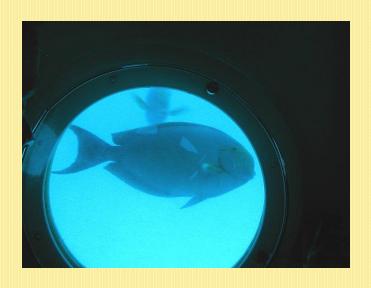


Underwater Hotel Suite and Lounge



PHY 221 past question

At an ocean depth of 1 000 m, what force must the frame around a circular submarine porthole having a diameter of 30.0 cm exert to counterbalance the force exerted by the water? Assume the density of seawater is 1,024 kg/m³ and the air above exerts a pressure of 101.3 kPa.





REFERENCE Salem M. L., Teaching versus research in academia, a symbiotic or parasitic relationship (2008). Conference of the Association of Egyptian American Scholars

