

ACQUISITION OF TEACHING COMPETENCE THROUGH RESEARCH

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**PRESENTED AT
EXECUTIVE ADVANCE 2016/2017 SESSION**



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, Teacher-researchers raise discussions, questions, tutorials, term papers, mini projects 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 $1,024 \text{ kg/m}^3$ 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



THANK YOU

