

Developing and Assessing the Research Skills of Students in Engineering Schools

A seminar for School of Engineering

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The University of Adelaide

Date: 3rd of November, 2009

Venue:

Schedule

11:10am–11:50am

Seminar

Developing and Assessing the Research Skills of Students in Engineering Schools

- Are you interested in hooking undergraduate student curiosity about your engineering discipline?
- Do you wish students would learn fundamental engineering knowledge and ways of thinking, as well as applying these in creative and open ended ways?
- Do you think that students should leave university not merely knowing about engineering but also able to think, make decisions and act like research engineers?

Then consider attending this seminar to find out ways that academics have done these things in other universities through the explicit development of student research skills from the first year of undergraduate studies and in masters by coursework.

Academics in 15 disciplines and 5 Australian universities have been utilising the Research Skill Development (RSD) framework as a conceptual model to facilitate and assess student research skills in undergraduate and masters curriculum. This has resulted in more explicit and incremental approaches to the development of skills associated with research in each discipline. The RSD framework was developed at the University of Adelaide and is being used in the USA, Canada, South Africa and Holland.

This interactive seminar will introduce the RSD and provide a structure for participants to discuss and debate potential benefits of using the framework, as well as possible difficulties. It will suit academic staff who are interested in practical ways of embedding research skill development and assessment in the curriculum of small, medium or large courses.

12:10pm–12:30pm

Combined Lunch & Discussion : Applying Research Skill Development Framework to Engineering Curriculum

RSVP

For catering purposes please RSVP By 12 noon, 30th of October

What to bring

Your understanding of existing assessments that already develop students' research skills.

Preparation

Visiting the RSD website prior to attending is recommended to make the most of this seminar. Copies of the RSD framework and assessment examples can be downloaded from the site.

Support

This presentation is supported by an Australian Teaching and Learning Council (ALTC) grant.

Biography

Can be found on <http://www.eleceng.adelaide.edu.au/personal/alsarawi/>

