





"An overwhelming body of research shows that students do not learn effectively from lectures, and testimony from the field corroborates the literature."

Dr Carol Twigg, Director, Pew Learning and Technology Programme

"Engineering teaching is based far too much on problems with 'right' answers and assessment based on the student getting the 'right' answer. The poor student is brought rapidly down to earth after graduation when he or she finds that real problems are characterised by insufficient information so that judgements have to be exercised." Professor Jim McQuaid "Output Standards & Professional Body Accreditation" Engineering Professors' Council













	a new work environment Rager ©. Hadgardt Department of Civil Engineering, Monash University, Melbourne, Australia. International Conference on Problem-based Learning in Higher Education, Linkoping, Sweave			Sep 19.
		TQM	PBL	
	1	constancy of purpose	A shared (negotiated) vision for the department is required.	A
	2	adopt quality as a guiding principle	Management must be committed; changing academics is the hard part!	S
		Dease dependence on mass inspection	Reduce the number of formal exams; ensure quality rather than	5