





4 STAKEHOLDERS TO BUILDING SURVEYING EDUCATION

In delivering under and post graduate surveying education the course must satisfy a number of stakeholders. The first is the university who require that the degree in all its parts is delivered to a comparable academic standard to all its degree programmes, is of a standard comparable with similar degrees offered by other institutions and fully meets the academic and guality regulations it lays down for degree provision. The second would be the accrediting body the Royal Institution of Chartered Surveyors (RICS), who lay down regulations governing the content of the courses that they accredit for graduate entry on to the APC process. A third body would be industry as without the realistic prospect of graduate employment vocational surveying courses would face decline. A final body are the <u>student customers</u> of the university. Module outcomes are generally pre-set, and any industrial simulation based assessment must pass both internal and external scrutiny so that it demonstratably meets the academic requirements of module and level of study and is presented to students in a way which is consistent, fair and unambiguous, in line with quality regulations.

ADVANTAGES OF USING ENQUIRY BASED LEARNING FOR VOCATIONAL EDUCATION

- Facilitates the acquisition of factual knowledge within the context it is to be used
- Encourages mastery of general concepts and principles in a ways which allows their transfer to new situations
- Encourages the use of previous knowledge to solve problems
- Offers prompt student feedback
- Encourages students to learn how to learn and to become life long learners
- (Bradbeer 1996)
- Students are more likely to engage with the learning as it is perceived as being relevant to their own needs
- Students can expand their knowledge by researching their own interests
- Working within, and communication to, a group improves a student's employability
- Self directed learning develops key skills and original thought processes.
 (CEEBL 2009)
- things a learner has discovered through experience are more likely to be retained,
- (Park et al 2003).







<section-header><section-header><section-header>

HOW REQUIREMENTS FOR SUCCESSFUL SIMULATION WERE MET

	Requirement	How Met
1	Students need full support before during and after the simulated activity	Students were given the brief early and allowed time to allow them to be fully prepared. The building chosen was one which once belonged to the university was well documented. Students had access to qualified technical support on and off site. A debrief session post event reinforced key issues, pre completion of the assessed work. Students worked on the practical tasks in small groups, The weighting of the assessment was designed not to confer disadvantage to non-experienced students, with only 20% available for proof of technical surveying abilities.
2	Tutor's role must not diminish following the change to facilitator	 Tutor adopted the role of health and safety officer on site, a role with authority, but outside the simulation Tutor ensured a discreet but still leading role as the senior colleague from whom technical advise could be sought.
3	Simulation must be realistic and the roles capable of conceptualisation	Building is an actual property for commercial lease. Brief is realistic in terms of the nature of the client's business and appropriate for the building. Student roles appropriate for the level of work expected in the first year of practice life. Simulation used real life personnel from the building.
4	Students need adequate prior learning, basic under-pinning skills and access to any required information	A demonstration practice building survey was run pre-event Classroom discussions on professional conduct were run Access to current information and written guides on surveying were made available on a learning portal

HOW ACADEMIC & VOCATIONAL TARGETS WERE MET

	Assessment Outcomes	How These Were Met			
1	Carry out a Building Survey of a traditionally constructed commercial building and critically appraise its condition.	Aspect Court is a vacant commercial office property currently offered for lease, and requiring some element of conversion and adaptation to meet future tenant requirements. Students surveyed it in the role of a graduate fee earning surveyor.			
2	Analyse the condition of a building, formulate and communicate an appropriate course of action to a client.	Students will as graduate surveyors perform an inspection which will include at least 5 different stock surveys and audits. A report to a given client brief will be written to industry accepted format and standards.			
3	Identify and apply to a given context, the legal rights and obligations of property owners, leaseholders and tenants.	Included in the client brief are concerns over shared obligations, dilapidation liabilities, requirements for disabled access, and costs of making fit for purpose.			
4	Apply the design process to a given scenario and critically evaluate design options	Students will suggest design solutions to meet specific client accommodation requirements and particular access issues.			
5	Demonstrate an understanding of current topical issues within the profession.	By adoption of a professional role students become obligated by professional actions and current liabilities such as identification of potential Asbestos			
	Vocational Requirements	How These Were Met			
1	Perform stock surveys in industrial settings	Surveys exactly mirror those to which a young fee earning surveyor may be expected to undertake.			
2	Apply current statutory obligations to a given scenario	The brief or previously stated surveyor obligations include all the major statutory obligation facing a surveyor and his/her client			
3	Write professional reports to industry accepted standards	Report to be written to previously discussed industry accepted format.			
	Skills Training	How Achieved			
1	Working in a team	Surveys, and prior research were undertaken in small teams			

		MEN		ND S <i>I</i> TA	ATIS	FACT	
	TOTAL No STUDENTS	70%+	60-69%	50-59%	40-49%	REFER/DEFE R	
	66	10	20	18	14	4 Only 1 did survey	
examin simula PBL's industr have b	nation. The tion exercis ability to ra rial simulati een gained ent from the	primary pu se was to a ise achieve ion did not by traditio	urpose of add vocati ement leve detract fr onal asses duced that	undertakin onal skills els, howeve om acade sment met	ng such an value, not er it was in mic achiev thods, and	specifically mportant tha vement which the author is	to tes It the h migh s

SUMMARY

• Student achievement in terms of grades was in line with other elements of assessment for this module, i.e. a researched technical paper and a formal examination. The primary purpose of undertaking such an industrial simulation exercise was to add vocational skills value, not specifically to test PBL's ability to raise achievement levels, however it was important that the industrial simulation did not detract from academic achievement which might have been gained by traditional assessment methods, and the author is confident from the data produced that this did not occur. Whilst no formal written feedback was taken specific to this activity student feedback through staff/student course meetings, and later through the whole module feedback exercise was positive in respect of the value of this activity. Part of the scaffolding provided was a post survey debrief when students could air problems before writing up the report. No major difficulties were aired during this session.



WORKING IN THE BLACK COUNTRY LIVING MUSEUM



HOW REQUIREMENTS FOR SUCCESSFUL SIMULATION WERE MET How Met Requirement Tutor's role must not diminish following - The tutors maintained the role of the senior qualified 1 the change to facilitator professionals with a managerial role in the exercise. - Tutor ran a pre-activity briefing and post activity de-brief, during which parameters for the simulation and assessed output was set. 2 Simulation must be realistic and the roles capable of conceptualisation - Tasks were commensurate with level of a newly appointed technical surveyor. - Both sites were currently being developed, and tasks were commensurate with that development and maintenance. Students need adequate prior learning, basic under-pinning skills and access to 3 - Skills required were pre-taught in previous modules. - Skills required had been pre-demonstrated and pre-used in a any required information previous PBL project and were therefore tested Students need full support before during - Students were given the brief early and allowed time to 4 and after the simulated activity allow them to be fully prepared. - Multiple tutor support was used. - Students had access to qualified technical support on and off site. - Support on site was visible and easily available - Students worked in groups and were not isolated - A debrief session post event reinforced key issues, pre completion of the assessed work.





SUMMARY OF EXERCISE

• In summary this exercise succeeded as it was possible to simulate industrial experience as a teaching activity, and to control the quality of that experience. In contrast the quality of short work experience placements can be variable, and not always of a standard that module outcomes demand. It was also possible to control health and safety issues which had prevented traditional work experience in an industrial setting. Whilst different from case study one in that the simulation replaced the intended learning medium rather than primarily being the assessment medium, it was however appropriate to underpin previously set assessment requirements. Student engagement, participation and achievement levels proved excellent. This was possibly due to support and safety net mechanisms put in place which reflected the nature of the student cohort, as while it is acknowledged that challenge can enhance the learning experience, over-challenge can negate it.

