

LEARNING DEVELOPMENT PROJECT OVERVIEW FORM

Project title	Physiotherapy: development of a web-based diagnostic tutorial on statistics		Project ID No	CLAD – HIST035
Strategy area/theme	Health sciences			
Start date	July 2003	Completion date	July 2006	
Project type	Learner enhancement project			
Level	N/A	Programme of study	N/A	
Aims	<ul style="list-style-type: none"> – To provide an interactive tutorial using WebCT for students to evaluate their performance and achieve the required level of competence in statistics and research before beginning their postgraduate programme – To allow staff to be able to identify students who may have difficulty with this element of the module 			
Objectives	<ol style="list-style-type: none"> 1. To produce an interactive tutorial running on WebCT that will: 2. Identify competence in understanding of statistics and research methodologies 3. Provide study materials to assist student learning 4. Provide a discussion area for students. 5. Answer FAQ of students 			
Overview	<p>A convenient sample (n=45) of students, studying on a Masters of Health Sciences degree in the West Midlands of the UK, was approached to participate. Thirty-seven took part, a response rate of 82%. Quantitative (n=12) and qualitative (n=14) evaluation took place on the content, accessibility, and relevance of the material. The mainly multiple-choice questions (128 in total) covered six main areas including statistical testing and ethical considerations. The tutorial was developed using respondus and question mark software to provide objective questions. Data were analysed using a combination of SPSS and content analysis.</p> <p>The mean score on the tutorial was 55%, with a standard deviation of 18. Scores ranged from 8% to 77%. On the individual tests students did best on the research methods section with a mean of 76% and worst on the descriptive analysis with a mean of 38.29. Cronbach's alpha was computed as 0.74. Friedman's chi squared was significant.</p> <p>The evaluation was very positive with students highlighting the importance of self-assessment as a way of targeting their further study.</p>			
Further Information	<p>For further information on this project please contact CLAD at University of Birmingham</p> <p>cladprojects@contacts.bham.ac.uk quoting CLAD projects HIST035</p>			