

Electronic learning or e-learning is becoming increasingly popular. With the increasing emphasize on the benefits of E-learning. Does this mean that e-learning is a system lacking in any limitations? This paper sets out in discussing some of the limitations of elearning, in particular related with technologies, personal issues, comparison with traditional "face to face" learning, design issues, and other issues. A cross-reference is done with referring to some existing research works about the limitations of e-learning. In regard to existing research works, it would seem that e-learning is not suitable for individuals without the self-discipline required to complete all tasks independently. In addition, it would seem that elearners should receive some type of e-learning training prior to enrolment to avoid any difficulties, especially for individuals without much ICT background.

Galway Mayo Institute of Technology Luke and Colman Hands Msc Environmental Systems 2011

ELECTRONIC LEARNING METHODS COMPARED TO FACE TO FACE LEARNING.

By

LUKE AND COLMAN HANDS Msc Environmental Systems Galway Mayo Institute of Technology Galway 2011

Submitted to the Faculty of the School of Engineering G.M.I.T in partial fulfillment of the requirements for the Degree of Msc in Environmental Systems

May, 2011



Table of Contents

Table of Contents4
Abstract
Acknowledgments7
Chapter 18
Introduction8
And8
Research Methodology8
Introduction
Aims and Objectives
Research Methodology
Questionnaires
Chapter 211
Literature Review
Basic concepts of E-learning11
Limitations of E-learning 11
Technological limitations
Personal issues12
Design Limitations
Other limitations
Chapter 314
Comparison of the Two Learning Methods14
Limitations compared to "face to face" learning14
Chapter 415
Data analysis15
Questionnaire: Comparing electronic learning methods to face to face work shops
Chapter 525
Conclusions and Recommendations25
Conclusion

Electronic Learning Methods Compared to Face to **2011** Face Learning.

Questionnaire	25
Recommendations	26
References	27
Appendices	
Questionnaire	38
Comparing electronic learning methods to face to face work shops	38
Questionnaire Data	43

Abstract

Electronic learning or e-learning is becoming increasingly popular. With the increasing emphasize on the benefits of E-learning. Does this mean that e-learning is a system lacking in any limitations? This paper sets out in discussing some of the limitations of e-learning, in particular related with technologies, personal issues, comparison with traditional "face to face" learning, design issues, and other issues. A cross-reference is done with referring to some existing research works about the limitations of e-learning. In regard to existing research works, it would seem that e-learning is not suitable for individuals without the self-discipline required to complete all tasks independently. In addition, it would seem that e-learning training prior to enrolment to avoid any difficulties, especially for individuals without much ICT background.

Acknowledgments

We would like to thank the following people, without whom, this paper would not be possible.

First of all our parents, who have encouraged, directed and supported us throughout my whole education

To our two brothers, who have inspired and helped me in so many ways during our years in college.

We would also like to thank Carine Gachon for her help and guidance.

We would like to thank our class who gave much feed back and information on their opinions and to all the people who participated in the questionnaires.

We would also like to thank the staff of the library, who were always available to provide assistance whenever necessary.

Finally but not least, to all our friends, both in within college and outside of college,, for all the support they have given us over the past year.

Chapter 1 Introduction And Research Methodology

Introduction

E-learning has developed from its predecessor, namely distance learning. Distance learning was attractive to many learners from all over the globe, its flexibility was a major advantage. It is not surprising that increasing numbers of companies are venturing into the e-learning businesses, when the global market for e-learning in 2002 reached US \$90 billion (Yong, 2003). This figure seems to suggest a bright market for e-learning. The popularity of elearning is not only limited to working adults who are seeking higher qualifications without leaving their jobs and losing their earning power (Lau, 2003). This trend seems ever increasing as the Internet and computer technology become widespread as a daily necessity of the younger generation. According the study by Lau (2003), research revealed that 16 to 18 year old teenagers are really keen towards on-line learning or e-learning. However, despite e-learning's current popularity, does it have any limitations? Evan & Hasse (2001) found that learners are moderately lacking in computer proficiency and, since e-learning is centered around computer technologies, it is a barrier to those learners without good computer skills. In addition, studies of Evan & Hasse (2001), O'Regan (2003) and Rovai & Jordan (2004) found out that learners face limited physical interactions among themselves in e-learning. The main purpose of this paper is to explore some limitations in this learning method. This is done through a literature review from major e-learning journals from all over the world and secondary research consisting of a questionnaire on a current master's class currently using both e-learning and "face to face" learning methods.

Aims and Objectives

Aims

The aim of this paper is to research the following and evaluate

- Electronic learning methods in comparison to face to face learning.
- To give knowledge of the best option to maximise learning outcomes.
- To develop an understanding of students feedback and opinions in relation to the two learning methods.

Objectives

The objectives of this paper are listed as follows:

- To investigate the students feedback in relation to the electronic learning and face to face learning.
- To investigate what are the best learning options available
- To identify the most common areas that students were unhappy with.
- To identify the general improvements of the electronic learning system

Research Methodology

Primary research was conducted in an attempt to extract information regarding Electronic learning methods in comparison to face to face learning. Alternatively it sought to obtain new insights into existing research carried out on the methods. For the purpose of this paper the primary research sought to achieve required information on issues upon which existing literature was limited.

Questionnaires

For the purpose of this paper, a questionnaire were compiled and distributed within the class. Their aim was to extract general opinion, knowledge and new and up-to-date insights into the specific area of research.

The questionnaires provided both closed and open questions, designed to provide both factual and opinion based answers. The closed structure questions, incorporating yes and no answers

Electronic Learning Methods Compared to Face to **2011** Face Learning.

were used to obtain direct responses, which were conclusive, and clear to ensure straightforward analysis. Further opinion were frequently asked, when it was deemed appropriate and probable that opinions would differ significantly. Such questions are easy to analyse but can often be inconclusive, arising from a significantly altering response rate. Open questions were asked to encourage input by respondents that might provide additional factual or opinionative information and alternative views. All respondent were encouraged to comment on his or her answers after most questions.

Questions asked in the Questionnaire were so designed and compiled so as to attempt to retrieve the information required to fill the gap in knowledge and support the goal of the research.

Chapter 2 Literature Review

Basic concepts of E-learning

From the overview, we know that e-learning is getting popular all over the world. What do we understand about e-learning and why has it become so popular? This section explains e-learning concepts in detail. E-learning is definined by Schank (2002), Roffe (2002), Sambrook (2003) and Tsai & Machado (2002) as "communication and learning activities through computers and networks (or via electronic means)". To be more specific, Fry (2000) defines e-learning as "delivery of training and education via networked interactivity and a range of other knowledge collection and distribution technologies." Therefore, it is clear noted that e-learning is centered on Information and Communication Technology (ICT). It is not surprising that many mention that e-learning is evolved around Information Technology to enhance the learning performance and efficiency. From these definitions and examples, we can therefore define e-learning as learning activities that involve computers, networks and multimedia technologies.

Limitations of E-learning

Arising from extensive literature review, e-learning limitations can be categorized as technological limitations, limitations compared to traditional campus, and personal issues. Limitations that do not fit into these categories are considered as other limitations.

Technological limitations

Students need necessary hardware for e-learning such as desktop or notebook computers and printers (Kathawala, Abdou, Elmulti, 2002;Hiltz, 1997). Therefore, one of the major technological limitations of e-learning is the necessity of computer hardware and relevant resources. Kearsley (2000) explained that, in order to participate in online learning, both learners and staff need to have access to networked computers. Although, e-learning comes with benefits such as unlimited access 24 hours, 7 days a week, this privilege does not seem to be feasible for some people in rural areas due to the inability to access Internet services (Kearsley, 2000;Rumble,2000). While it is feasible to access to high-speed broudband within

Electronic Learning Methods Compared to Face to **2011** Face Learning.

the college campus, it becomes a problem outside the campus, where Internet facilities are less then sophisticated. Uys (2003) stated that limited telecommunication infrastructure and facilities are hindering the e-learning process. In addition to the limited Internet coverage, technological barriers, such as limited broudband, are issues in e-learning today. While elearning is supposed to be a multimedia-rich learning environment, the limited broudband may hinder the learning process as the downloading of multimedia materials may take a longer time. As a result, it is not surprising that many e-learning courses are still text-based as the Internet broudband may still be limited.

Personal issues

Kember et al.(2001) mentioned that preparation is indeed needed for newcomers as they may think that nontraditional learning such as e-learning is the same as a traditional learning environment. In addition, Dearnley (2003) stated that newcomers to nontraditional learning may get lost because they do not know what to do as there is no detailed guidance from the teacher. Kember et al. (2001) stated that these newcomers need some orientation courses in order for them to get used to a nontraditional learning environment like e-learning. Therefore, it is not surprising to see newcomers needing to be psychologically prepared for the e-learning environment. Carr (1999) mentioned that the lack of ICT skills is one of the barriers in e-learning training. As e-learning is the product of the advanced technology, e-learners will have to learn new skills and responsibilities related to the technology (Angelina, 2002). E-learning is not always an easy task for many as it requires a lot of selfdiscipline. As Kearsley (2000) stated, e-learning provides autonomy or freedom to learn, but the learners should have "initiative and self-discipline to study and complete assignments".

Design Limitations

Poor design of the e-learning courseware is a major issue for learners and e-learning providers, as pointed out by Ivergard & Hunt (2005). A poor design "gave users a feeling of being stressed and badly treated by the system". They further said this causes users to feel frustrated and eventually stop participating. Courseware design should be tailored to the needs of the learners, it should be easy to use and students should have easy access to guidance and information (Howell, Williams & Lindsay 2003; James-Gordon, Young & Bal, 2003).

Other limitations

Although e-learning provides 24 hours and 7 days of unlimited access, this may not be advantageous to some individuals. Dringus (2003) said "being 24/7 is a good marketing scheme, but online learners and professors burn-out easily". She explained that learners can post any questions in the forum or send e-mails whenever they are free to so even during weekends and late at night. This neverending learning and teaching process will easily stress both the learners and especially the instructors (Newton, 2003). It is also more time-consuming to guide online students, as academicians need to respond to each student's queries individually in writing (Kathawala, Abdou & Elmulti, 2002).

Angelina (2002) and Lau (2002) pointed out that it is rather hard to ensure academic honesty in terms of on-line assessment. It is possible for the e-learner to share the password and identity number with others during unsupervised online assessments. Patalong (2003) provided another good example of cheating when students shared or "cooperated" during an online examination in Coventry University, United Kingdom. Submission of the online assignments can also be fraudulent as the actual e-learners may ask a third party to do the assignment for them. Schott et al. (2003) referred to all these problems as "digital cheating", when learners "utilized" computer technology for cheating or plagiarism.

Chapter 3 Comparison of the Two Learning Methods

Limitations compared to "face to face" learning

Lacking physical interaction is another limitation in e-learning. Schott et al. (2003) expressed that the lack of physical interactions made e-learning students feel isolated and apprehensive. Lacking physical interaction may also affect the completion rate (Haigh, 2004). McAleavy and McCystral (1996) found out that half of the students for an Advance Diploma in Education from the University of Ulster commented that it was rather hard to seek advice, as compared to "face-to-face" instruction. Physical classrooms however will enable learners to learn faster, as they can always refer to the instructors or peers for guidance. Body language is absent in e-learning. An example is when a student stated that he missed "facial and hand gestures", from which important cues can be derived (Meyer, 2003). The lack of physical interactions shown above will hinder the learning process as pointed out by McKnight (2000), that the omission of observation of student emotions may prevent professors or instructors from responding to student's needs. All these points seem to support the argument by (Rogers 2000) that a good classroom instructor may not be a good online instructor. (Palloff and Pratt 1999) also mentioned that some instructors might even underestimate elearning, as they think that it is similar to "face to face" learning. All these complicates instructors' transition towards e-learning.

Chapter 4 Data analysis

The following eighteen questions were asked to the students of the Msc in environmental systems. Each questionnaire was to be filled in anonymously and the results were as follows:

Questionnaire: Comparing electronic learning methods to face to face work shops

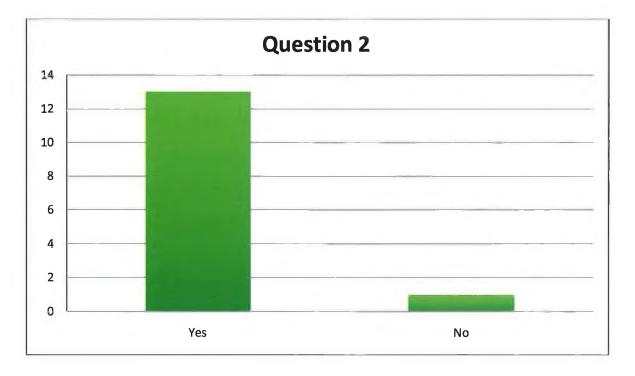
What is was your first impression of the electronic based international method for your minor thesis?

Question 1

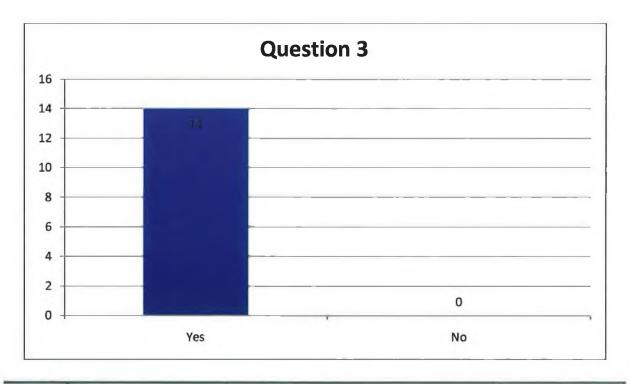
The answers for this question ranged greatly, the general consensuses were as follows:

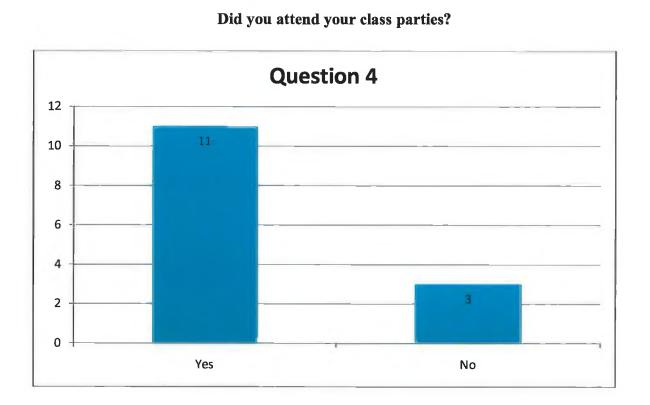
- Good idea.
- More in class situations needed.
- At first thought it was a good idea then seemed a nuisance.
- Detached from the group.
- Concern with the lack of personal interaction.
- Very Broad
- Late starting.
- Consisted of extra work that wasn't needed.
- Didn't like it- Not something they were used to.

Do you believe students only comment on a students work in which interact with personally?

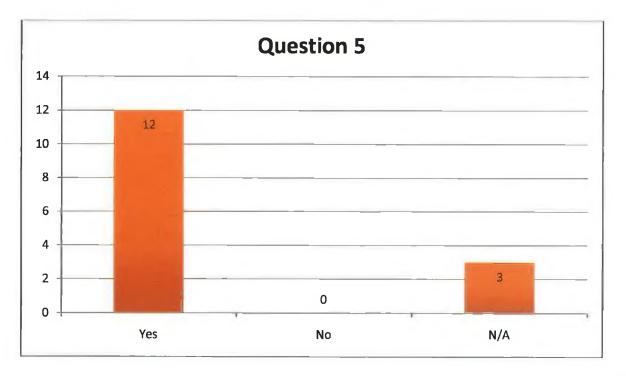


Do you think the use of a Class party is a good method of interacting and getting to know your class mates?



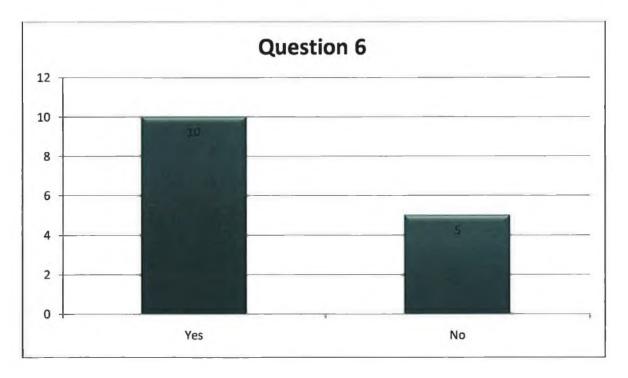


If so did you get to know any one you may otherwise have not?

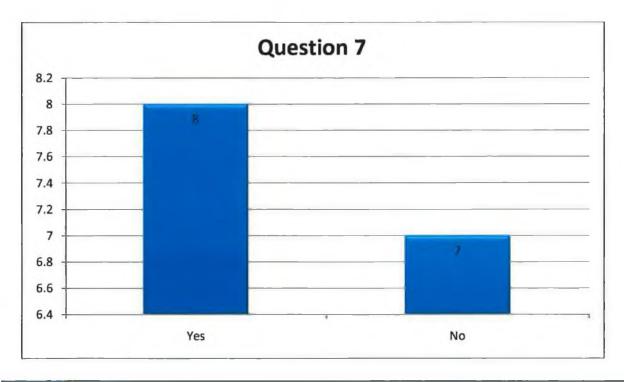


Can you allocate all the names on the minor thesis electronic learning module to their

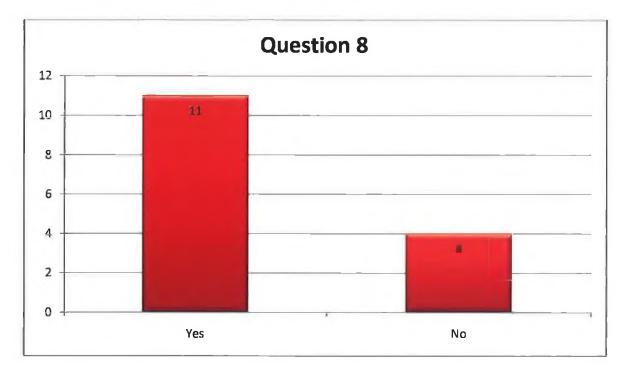
face?



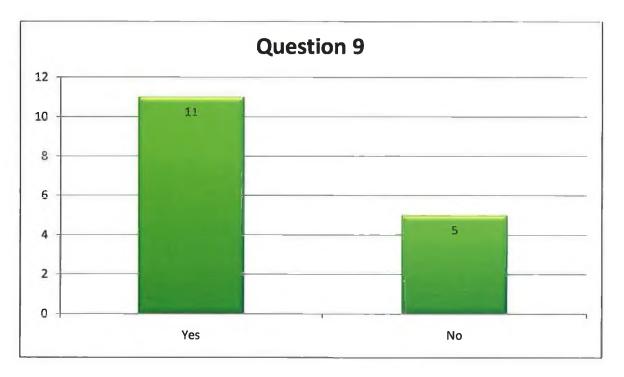
Would you or have you commented on any students work you do not know personally or have spoken to in person?



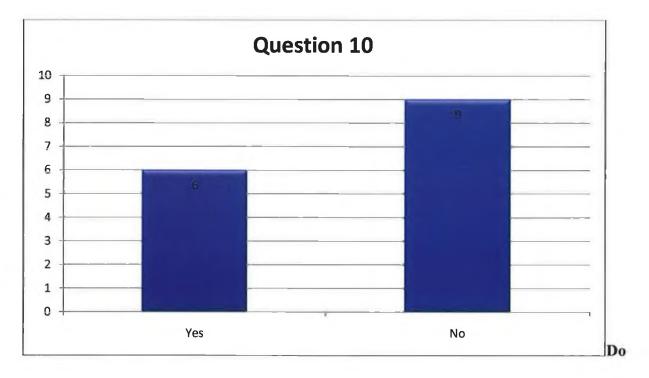
Are you concerned at all with your spelling and grammar etc when using this module?



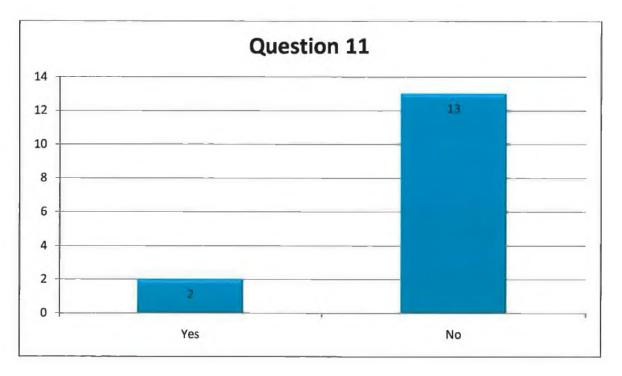
Are you concerned with the fact that the modules lecturer is over looking each detail written?



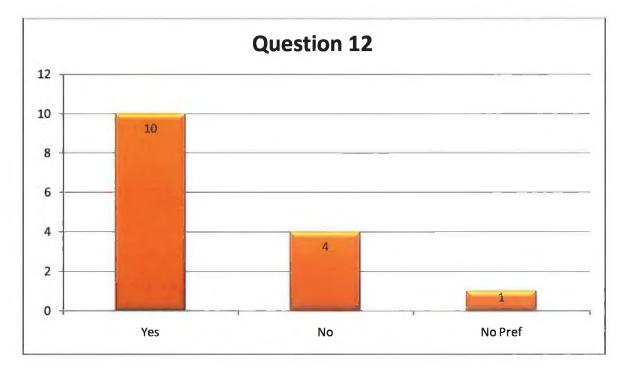
Would you say students you know personally are not themselves on module compared too how they act face to face?



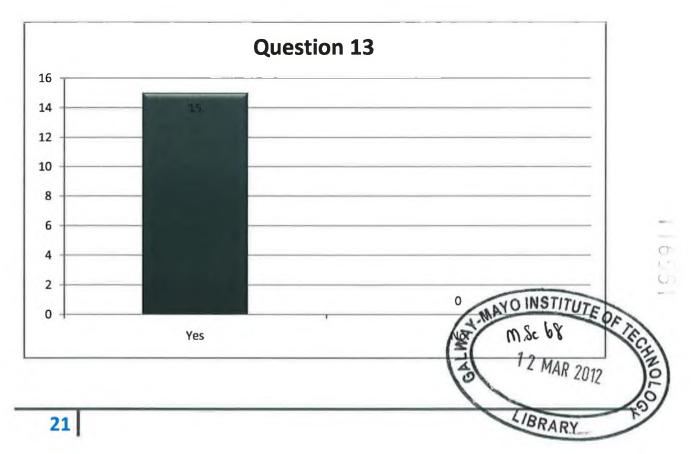
Do you think this is the most effective method for this module?



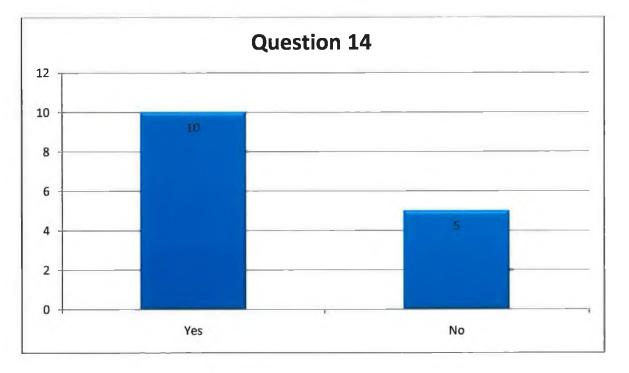
Would you prefer a more personal face to face interaction learning process where you see each student face to face?



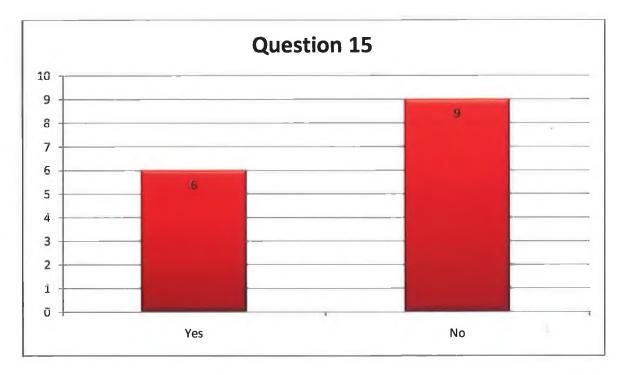
Should there be a consideration for a mixture of the two?



Would a photograph of each student situated beside each students name on within the electronic system be of use?

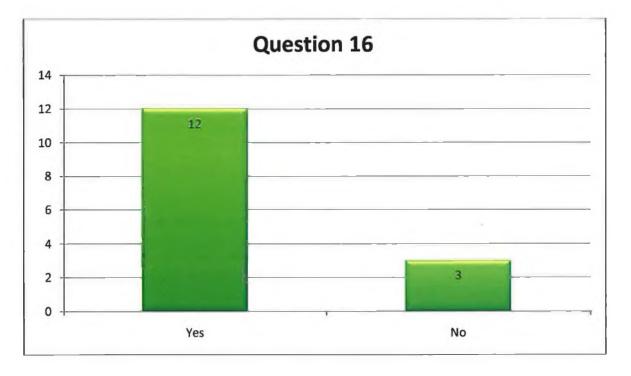


Where you happy with all the tasks you were asked to do in this module?

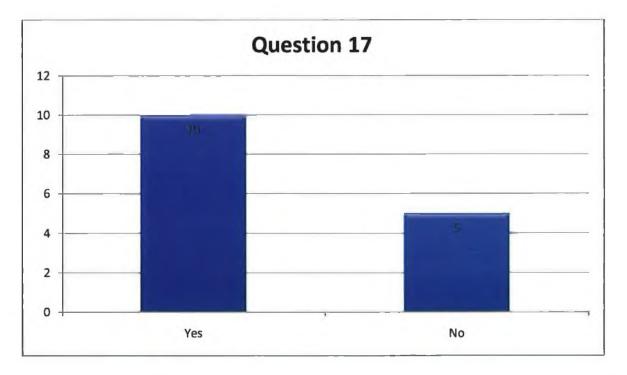


Electronic Learning Methods Compared to Face to **2011** Face Learning.

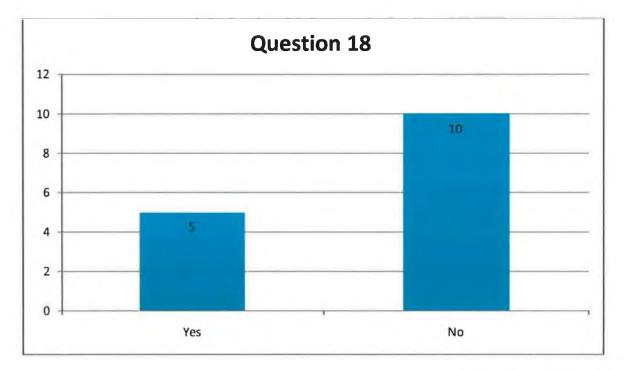
Would you find it easier to ask questions if this module used a face to face method of learning?



Were you happy with the time frame allocated for each task?



Were you happy with the date in which each task was allocated in relation to other modules you had work for and the date in which your thesis is due?



- Very Broad
- Late starting.
- Consisted of extra work that wasn't needed.
- Didn't like it- Not something they were used to.

Recommendations

The results from the questionnaire indicate that there electronic learning method would work much more efficiently if the class themselves were more friendly and had more personal interaction with one another. The data shows that a number of class parties are a good method of achieving this, with 100% of students agreeing with this method. Every student thought a mixture of the two should be adopted it can not be overlooked. Good constant contact with the students class representees can give major, constant feed back of the student opinions on modules and ensure every student is maximising there learning out come. The electronic learning system maybe more suited to some students more than others. The option of the mixture of the two learning methods could be presented to the students early in the first semester with each student deciding what method best suites them or a consideration of a mixture of the two.

References

Abouchedid, K. & Eid, G.M., (2004), 'E-learning challenges in the Arab World: revelations from a case study profile', Quality Assurance in Educational, vol.12, no.1, pp.15-27.

Akar, E., Ozturk, E., Tuncer, B. & Wiethoff, M., (2004), 'Evaluation of a collaborative virtual learning environment', Education + Training, vol.46, no. 6/7, pp. 343-352.

Angelina, P., (2002a), 'Local initiatives in e-learning', The Star Tech Plus, 29 Aug., p.11.

Angelina, P., (2002b), 'E-learning: The alternative leaning process', The Star Tech Plus, 29 Aug., pp.9-12.

Baker, R. K., (2003), 'A Framework for Design and Evaluation of Internet-Based Distance Learning Courses Phase One – Framework Justification, Design and Evaluation', Online Journal of Distance Learning Administration, vol.6, no.2.

Bird, J. & Morgan, C., (2003), 'Adults Contemplating University Study at a Distance: Issues, themes and concerns', International Review of Research in Open and Distance Learning, vol.4. no.1.

Bleimann, U., (2004), 'Atlantis University: a new pedagogical approach beyond e-learning', Campus-wide Information Systems, vol.21, no.5, pp.191-195.

Bose, K., (2003), 'An E-learning Experience: An written analysis based on my experience with primary school teachers in an e-learning pilot project', International Review of Research in Open and Distance Learning, vol.4, no.2.

Bourne, J., Harris, D., & Mayadas, F., (2005), 'Online Engineering Education: Learning anywhere, anytime', Journal of Engineering Education, vol.94, no.1, pp.131-146.

Broadbent, B., (2003), 'Championing e-learning', <u>URL:http://www.elearninghub</u>. com/articles/chamioning.htm#Pro%20and%20c ons%20of%20%20e-learning

Calvert, J., (2001), 'Deakin University: Going online at a dual mode university', International Review of Research in Open and Distance Learning, vol.1, no.2.

Carr, J., (1999), 'The role of higher education in the effective delivery of multimedia management training to small and medium enterprises', Educational Technology & Society, vol.2, no.2.

Carrier, C.A., Davidson, G.V., Williams, M.D., & Kalweit, C.M., (1986), 'Instructional options and encouragement effects in a microcomputer-delivered concept lesson', Journal of Educational Research, vol.79, pp.222-229.

Chadha, G. & Kumail S.M.N, (2002), e-Learning : An Expression of the Knowledge Economy, Tata McGraw-Hill Publishing Company Limited, New Delhi.

Choy, S., (2002), 'Nontraditional Undergraduates', NCES 2002-012, U.S. Department of Education, National Center for Education Statistics, Washington D.C.

Collins, C., Buhalis, D. & Peters, M., A., (2003), 'Enhancing SMTEs' Business performance through the Internet and Elearning platforms', Education + Training, vol.45, no.8/9, pp.483-494.

Collins, G.R., (2002), 'Case Study: A Satellite-based Internet Learning System for the Hospitality Industry', Online Journal of Distance Learning Administration, vol.5 no.4.

Dearnley, C., (2003), 'Student Support in Open Learning: Sustaining the process', International Review of Research in Open and Distance Learning, vol.4, no.1.

Dringus, L.P., (2003), 'From both sides now : On being an Online Learner and Online Instructor', E-Learn Magazine, Association of Computing Machinery,

URL:http://www.elearnmag.org/subpage/sub_page.cfm?sect_ion=3&list_item=1&page=1

Evans, C. & Fan, J.P., (2002), 'Lifelong Learning through the Virtual University', Campus-Wide Information Systems, vol.19, no.4, pp.127-134.

Evans, J.R. & Haase, I.M., (2001), 'Online business education in the twenty-first century: an analysis of potential target markets', Internet Research: Networking Applications and Policy, vol.11, no.3, pp.246-260.

Fry, K., (2000), 'Forum focus and Overview', The business of E-learning: Bringing your organization in the knowledge Economy, Telcam Group, University of Technology, Sydney.

Grant, L.K. & Spencer, R.E., (2003), 'The Personalized System of Instruction: Review and Applications to Distance Education", International Review of Research in Open and Distance Learning, vol.4, no.2.

Grooms, L.D., (2003), 'Computer-Mediated Communication: A Vehicle for Learning', International Review of Research in Open and Distance Learning, vol.4, no.2.

Haigh, J., (2004), 'Information technology in health professional education: why IT matters', Nurse Education Today, vol.2004, no.24, pp.547-552.

Hamid, A.A., (2002), 'e-Learning-Is it the "e" or the learning that matters', Internet and Higher Education, vol.4, pp.311-316.

Hiltz, S.R. (1997), 'Impacts of college level courses via Asynchronous Learning Networks: Some Preliminary Results', Journal of Asynchronous Learning Networks, vol.1, no.2, pp.1-18.

Homan, G. & Macpherson, A., (2005), 'E-learning in corporate universities', Journal of European Industrial Training, vol.29, no.1, pp.75-90.

Electronic Learning Methods Compared to Face to **2011** Face Learning.

Honey, P., (2001), 'E-learning: a performance appraisal and some suggestions for improvement', The Learning Organization, vol.8, no.5, pp.200-202.

Horton, W., (2001), 'Leading e-Learning', American Society for Training and Development, http://www.elearninggurus.com/articles.html

'Hotspot Service Area', (2004), Telekom Malaysia, <u>http://isp.tm.net.my/hotspot/service-klangv.shtml</u>

Howell, S.L., Williams, P.B. & Lindsay, N.K., (2003), 'Thirty-two Trends Affecting Distance Education: An Informed Foundation for Strategic Planning', Online Journal of Distance Learning Administration, vol.6, no.3.

'ICT at a glance Malaysia',(2003),Development Data Group, World Bank,. URL :http://www.worldbank.org/cgi-bin/ Ivergard, T. & Hunt, B., (2005), 'Towards a learning networked organization: human capital, compatibility and usability in e-learning systems', Applied Ergonomics, vol.2005, no.36, pp.157-167.

James-Gordon, Y., Young, A. & Bal, J., (2003), 'External environment forces affecting elearning provider', Marketing Intelligence & Planning, vol.21, no.3, pp.168-172.

Kathawala, Y., Abdou, K. & Elmulti, D.S., (2003), 'The global MBA: a comparative assessment for its future', Journal of European Industrial Training, vol.26, no.1, pp.14-23.

Kearsley, G., (2000), 'Teaching & Learning in Cyberspace', URL:http://home.sprynet.com/~gkearsley/chapts.htm

Kelly, K.B. & Bonner, K., (2005), 'Digital Text, Distance Education and Academic Dishonesty: Faculty and Administrator Perceptions and Responses', Journal of Asynchronous Learning Networks, vol.9. no.1, pp. 43-52.

Kember, D., Armour, R., Jenkins, W., Lee, K., Leung, D.Y.P., Li, N., Ng, K.C., Siaw, I., & Yum, J.C.K., (2001), 'Orientation to enrollment of part-time students: A classification system based upon their perceived lifelong learning needs', Higher Education Research and Development, vol.20, no.3, pp.265-280.

Khoo, J., & Azizan, H, (2004), 'Pitfalls of Paper chase', Star Education, 9th May, pp.2-4.

Kypreos, T., (2003), 'Building a Business Case for Elearning', E-Learn Magazine,AssociationofComputingMachinery,URL:http://www.elearnmag.org/subpage/sub_page.cfm?sect_ion=3&list_item=13&page=1

Lahn, L.L., (2004), 'Dilemmas in the development of elearning at work', Journal of Workplace Learning, vol.16, no.8, pp.466-478.

Lau, M.P., (2002), 'Online Teaching & Learning', Nanyang SiangPau's New Century, 12 July.

Laws, R.D., Howell, S.L. & Lindsay, N.K., (2003), 'Scalability in Distance Education: "Can we Have Our Cake and Eat it Too?", Online Journal of Distance Learning Administration, vol.6, no.4.

Lee, C. S. & Al-Hawamdeh, S., (2001), 'New Mode of course delivery for Virtual Classroom', Aslib Proceedings, vol.53, no.6, pp.238-242.

'Lessons from the e-learning experience',(2002), Training Strategies for Tomorrow, vol.16, no.1, pp.19-21.

Levy, S., (2003), Six factors to Consider when planning Online Distance Learning Programs in Higher Education', Online Journal of Distance Learning Administration, vol.6, no.1.

Litto, F.M., (2002), 'The Hybridization of Distance Learning in Brazil – An Approach Imposed by Culture', International Review of Research in Open and Distance Learning, vol.2, no.2.

Lytras, M.D., Pouloudi, A. & Poulymenakou, A., (2002), 'Knowledge management convergence – expanding learning frontiers', Journal of Knowledge Management, vol.6, no.1, pp.40-51.

Materi, R.R. & Fahy, P.J., (2004), 'Interim Report: A case study of Internet-based Distance Education Program Development in Vietnam', International Review of Research in Open and Distance Learning, vol.5, no.1.

McAleavy G., & McCrystral P., (1996), 'Virtual conferencing as a tool for the development of pedagogical competence for vocational educators', International Journal of Education Management, vol.10, no.3, pp.30-35.

McCraken, H., (2004), 'Extending Virtual Access: Promoting Engagement and Retention through Integrated Support Systems', Online Journal of Distance Learning Administration, vol.6, no.1.

McKnight, M., (2000), 'Distance Education: Expressing emotions in video-based classes.' In Conference on College Composition And Communication, Minneapolis, Minnesota, USA.

Meyer, K.A., (2003), 'Face-To-Face Versus Threaded Discussions: The Role of Time and Higher-Order Thinking', Journal of Asynchronous Learning Networks, vol.7, no.3, pp.55-65.

Miller, M.D., & Corley, K., (2001), 'The Effect of E-Mail Messages on student Participation in the Asynchronous On- Line Course : A Research Note', Online Journal of Distance Learning Administration, vol.4, no.3. Morgan, G., (2001), 'Thirteen "must ask" questions about elearning products and services', The Learning Organization, vol.8, no.5, pp.203-210.

Newton, R., (2003), 'Staff attitudes to the development and delivery of e-learning', New Library World, vol.104, no.1193, pp.412-425.

Olugbemiro J., Taplin, M., Fan, R., Chan, M., & Yum, J., (1999), 'Differences between low and high achieving distance learners in locus of control and metacognition', Distance Education, vol.20, no.2, pp.255-269.

O'Malley, J. & McGraw, H., (1999), 'Students perceptions of distance learning, online learning and the traditional classroom', Online Journal of Distance Learning Administration, vol.2, no.4.

O'Regan, K., (2003), 'Ernotion and e-learning', Journals of Asynchronous Learning Networks, vo.7. no.3, pp.78-92.

Pachnowski, L.M & Jurczyk, J.P., (2003), 'Perceptions of Faculty on the Effect of Distance Learning Technology on Faculty Preparation Time', Online Journal of Distance Learning Administration, vol.6, no.3.

Palloff, R. & Pratt, K., (1999), 'Making the Transition: Helping Teachers to Teach Online', in the 15th Annual Conference on Distance Teaching and Learning, Madison, Wisconsin, USA.

Patalong, S., (2003), 'Using the virtual learning environment WebCT to enhance information skills teaching at Coventry University', Library Review, vol.52, no.3, pp.103-110.

Phang, J.,(2004), 'Impact of ICT innovations: The Islamic Context', The Star In Tech, 8 April., p.18.

Electronic Learning Methods Compared to Face to **2011** Face Learning.

Pierrakeas, C., Xenos, M., Panagiotakopoulos, C. & Vergidis, D., (2004), 'A Comparative Study of Dropout Rates and Causes for Two Different Distance Education Courses', International Review of Research in Open and Distance Learning, vol.5, no.2.

Rivera, J.C. & Rice, M.L., (2002), 'A Comparison of Student Outcomes & Satisfaction Between Traditional & Web Based Course Offerings', Online Journal of Distance Learning Administration, vol.5, no.3.

Roffe, I., (2002), 'E-learning: engagement, enhancement and execution', Quality Assurance in Education, vol.10, no.1, pp.40-50.

Rogers, D., (2000), 'A Paradigm Shift: Technology Integration for Higher Education in the New Millennium', Educational Technology Review, vol.6,no.3,pp.19-27.

Rourke, L.& Anderson, T., (2002), 'Using Web-based, Group Communication Systems to Support Case Study Learning at a Distance', International Review of Research in Open and Distance Learning, vol.3, no.2.

Rovai, A.P. & Jordan, H.M., (2004), 'Blended Learning And Sense Of Community: A Comparative Analysis With Traditional And Fully Online Graduate Courses', International Review of Research in Open and Distance Learning, vol. 5, no.2.

Roy, M.H., (1996), 'Collaborating across campuses: the virtual university experience', Campus Wide Information Systems, vol.13, no.4, pp.6-10.

Rumble, G., (2000), 'The Globalisation of Open and Flexible Learning : Considerations for Planners and Managers', Online Journal of Distance Learning Administration, vol.3, no.3, pp. 1-15.

Sambrook, S., (2003), 'E-learning in Small Organizations', Education + Training, vol.45, no.8/9, pp. 506-516.

Schank, R.C., (2002), Designing World Class E-Learning, 1st edn., McGraw Hill, USA.

Schiffer., C.C., (2004), 'Compensation Models in Distance Education: National Survey Questionnaire Revisited', Online Journal of Distance Learning Administration, vol.7, no.1

Schott, M., Chernish, W., Dooley, K.E., & Linder, J.R., (2003), 'Innovations in Distance Learning Program Development and Delivery', Online Journal of Distance Learning Administration, vol.6, no.2.

Smith, A.D. & Rupp, W.T., (2004), 'Managerial Implications of computer-based online/faceto-face business education: a case study', Online Information Review, vol.28, no.2, pp.100-109.

Smulders, D., (2003), 'Designing for Learners, Designing for Users', E-Learn Magazine,AssociationofComputingMachinery,http://www.elearnmag.org/subpage/sub_page.cfm?section=3 &list_item=11&page=1

Strauss H., (2003), 'Getting all of our courses online : A Euphoric State Case Study', E-Learn Magazine, Association of Computing Machinery, http://www.elearnmag.org/subpage/sub_page.cfm?section=3 &list_item=4&page=3

'Streamyx Service Area', (2004), http://isp.tm.net.my/streamyx/serviceklangv. Shtml

Svensson, L., (2004), 'Challenges for work-integrated elearning:The case of the Swedish Academy of County Administrators', Journal of Workplace Learning, vol.16, no.8, pp.492-502.

Tresman, S., (2002), 'Towards a strategy for improved student retention in programmes of Open, Distance Education: A case study from the Open University UK', International Review of Research in Open and Distance Learning, vol.3. no1.

Tsai, S. & Machado, P., (2002), 'E-learning, On-line Learning, Web-based Learning, orDistance Learning: Unveiling the Ambiguity in Current Terminology', E-Learn Magazine,AssociationofComputingMachinery,http://www.elearnmag.org/subpage/sub_page.cfm?section=3 &list_item=6&page=1

Uys, P.M, (2003), 'Critical Successs Factors in the Infusion of Instructional Technologies for Open Learning in Development Settings: The Case of the University of Botswana', International Review of Research in Open and Distance Learning, vol.4, no.2.

Vaughan, K. & MacVicar, A., (2004), 'Employees' preimplementation attitudes and perceptions to e-learning: A banking case study analysis', Journal of European Industrial Training, vol.28, no.5, pp.400-413.

Vergidis D. & Panagiotakopoulos, C., (2002), 'Student Dropout at the Hellenic Open University: Evaluation of the Graduate Program, "Studies in Education", International Review of Research in Open and Distance Learning, vol.3, no.2.

Vernon, M., (2002), 'Understanding e-learning', Financial Times, http://specials.ft.com/elearning/FT35PSCM2ZC.html

Wang, M.Y., (2003), 'The strategic role of digital libraries: issues in e-learning environments', Library Review, vol.52, no.3, pp.111-116.

White, K.W. & Weight, B.H., (2000), The Online Teaching Guide, Ally & Bacon, Boston, USA.

Wild, R.H., Griggs, K.A. & Downing, T, (2002), 'A framework for e-learning as a tool for knowledge management', Industrial Management & Data Systems, vol.102, no.7, pp.371-380.

Willging, P.A & Johnson, S.D.,(2004), 'Factors that influence students decision to drop out of online courses', Journal of Asynchronous Learning Networks, vol.8, no.4, pp. 105-118.

Yong, A., (2003), 'Success factors in e-learning implementation', The Star In.Tech, 22 May, p.19.

Young-Ju, J., Bong, M., & Choi, H.,J., (2000), 'Self-efficacy for self-regullated learning, academic self-efficacy, and Internet self-efficacy in Web-based instruction', Educational Technology, Research & Development, vol.48, no.2, pp.5-13.

Yum, J.C.K., Kember, D. & Siaw, I., (2001), 'Study examines coping methods in part time students.', The Newsletter of the National Resource Center for the First Year Experience and Students in Transition, vol.14, no.1, pp.4-5.

Appendices

Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Do you believe students only comment on a students work in which interact with personally?

Yes		 	
No		 	
In your own op	-		

Do you think the use of a Class party is a good method of interacting and getting to know your class mates?

Yes.....

Electronic Learning Methods Compared to Face to **2011** Face Learning.

No
In your opinion why?
Did you attend your class parties?
Yes
No
In your opinion why?
If so did you get to know any one you may otherwise have not?
Yes
No
In your opinion why?
,
Can you allocate all the names on the minor thesis cleatronic learning module
Can you allocate all the names on the minor thesis electronic learning module to their face?
Yes
No
In your opinion why?

Would you or have you commented on any students work you do not know
personally or have spoken to in person?
Yes
No
No
In your opinion why?
Are you concerned at all with your spelling and grammar etc when using this
module?
Yes
No
INO
Are you concerned with the fact that the modules lecturer is over looking each
detail written?
Yes
No
Would you say students you know personally are not themselves on module
compared too how they act face to face?
Yes
No
In your opinion why?

Electronic Learning Methods Compared to Face to **2011** Face Learning.

• •

Would you prefer a more personal face to face interaction learning process where you see each student face to face?

Yes......

Should there be a consideration for a mixture of the two?

Yes.....

Would a photograph of each student situated beside each students name on within the electronic system be of use?

Yes.....

No.....

Where you happy with all the tasks you were asked to do in this module?

Yes	 	

No.....

Would you find it easier to ask questions if this module used a face to face method of learning?

Yes.....

No.....

Were you happy with the time frame allocated for each task?

Yes.....

41

Electronic Learning Methods Compared to Face to Face to Face Learning.

No.....

Were you happy with the date in which each task was allocated in relation to other modules you had work for and the date in which your thesis is due?

Yes.....

No.....

Questionnaire Data



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis? Decresson boosd what pressed thering a topic 1 think ar as a 11 raiding dear did 18 mar P Hon repart use as was and c been bed/ to it approac 000 10 better vetrad Do you believe students only comment on a students work in which interact with personally? Yes..... No..... In your own opinion why?..... Do you think the use of a Class party is a good method of interacting and getting to know your class mates? Yes... No.... In your opinion why?.... 10 wittin f relation e Course Commo



Did you attend your class parties?
Yes
No
In your opinion why? It was at one of the only
times of the class.
If so did you get to know any one you may otherwise have not?
Yes
No
In your opinion why? Forces to get to know people and to inderact and side of Observer
monied to the the proster of the
Can you allocate all the names on the minor thesis electronic learning module
to their face?
to their face?
to their face? YesNo
to their face? Yes No In your opinion why?! would say ad percent as ! Love sead through them with Nost ad
to their face? YesNo
to their face? Yes No In your opinion why?! would say ad percent as ! Love sead through them with Nost ad
to their face? Yes No In your opinion why? I would say all percent as I have need through them will about and taled to most about this topics.
to their face? Yes No In your opinion why?
to their face? Yes No
to their face? Yes No In your opinion why?

Msc Environmental	Systems
-------------------	---------



Are you concerned at all with your spelling and grammar etc when using this
module? Yes
No
Are you concerned with the fact that the modules lecturer is over looking each
detail written?
Yes
No
Would you say students you know personally are not themselves on module
compared too how they act face to face?
Yes
No
In your opinion why?
Do you think this is the most effective method for this module?
Yes. No. 1 think it is good but a markly of bineally Class walk by
No. 1 Think it is good but a marthy of bi weddling
Would you prefer a more personal face to face interaction learning process
where you see each student face to face?
Yes Northly marpe.
No



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on
within the electronic system be of use?
Yes / 1 Put my photograph up
No
Where you happy with all the tasks you were asked to do in this module?
Yes
Yes. No. / because At times 1 was not Sive eladly what had to be done
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes. K Resibly
No
Were you happy with the time frame allocated for each task?
Yes
No
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes
No



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional meth	lod
for your minor thesis?	

9 didn't like it, it has something completely
different than I was used to
Do you believe students only comment on a students work in which interact
with personally?
Yes
No
In your own opinion why? The views of your press
of more importance to me
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
Yes.
No
In your opinion why? Get to know your chasmates in an
informal mannes, Breaks the ice



Yes
No.
In your opinion why? has unavailable wat perficular
night
If so did you get to know any one you may otherwise have not?
Yes
NoN/4
In your opinion why?
Can you allocate all the names on the minor thesis electronic learning module
to their face?
Yes.
No
In your opinion why?
Would you or have you commented on any students work you do not know
personally or have spoken to in person?
personally or have spoken to in person? Yes/

Msc	Environmental	Systems
-----	---------------	---------



Are you concerned at all with your spelling and grammar etc when using this
module?
Yes
No
NO. ²
Are you concerned with the fact that the modules lecturer is over looking each
detail written?
Yes
No.
Would you say students you know personally are not themselves on module
compared too how they act face to face?
Yes
No.
In your opinion why? They are test to in the same mannes
while commenting iten when they are normally.
Do you think this is the most effective method for this module?
Yes
No.
Would you prefer a more personal face to face interaction learning process
where you see each student face to face?
Yes
No



Should there be a consideration for a mixture of the two?
Yes.
No
Would a photograph of each student situated beside each students name on within the electronic system be of use?
Yes
No.
Where you happy with all the tasks you were asked to do in this module?
Yes.
No
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes
No
Were you happy with the time frame allocated for each task?
Yes.
No
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes
No



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

El thought extra work that wasn't
needed and plus it's better it you
met fore to Face with a student to
give your opinion on their topic
Do you believe students only comment on a students work in which interact
with personally?
Yes
No 🖋
In your own opinion why? Becan so it was
thesis connents
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
Yes
Yes
No
In your opinion why? Becange you can get to know
your fellow students in a social
en aronment



Yes.
No
In your opinion why? I enjoy having a pint or
Luco.
If so did you get to know any one you may otherwise have not?
Yes.
No
In your opinion why? Becauce its cosier to talk
in a social environment
Can you allocate all the names on the minor thesis electronic learning module
to their face?
Yes.
No
In your opinion why? Because only 20 or so in
the class
Would you or have you commented on any students work you do not know
personally or have spoken to in person?
personally or have spoken to in person? Yes

Msc	Environmental	Systems
-----	---------------	---------



*****************************	 *********************	

Are you concerned at all with your spelling and grammar etc when using this module?

Yes	
NO	

Are you concerned with the fact that the modules lecturer is over looking each detail written?

Yes V

No.....

Would you say students you know personally are not themselves on module compared too how they act face to face?

Yes.

No.....

In your opinion why? Because every considered is (ooked at thoroughly and want to act smanter than Eles probably ane

Do you think this is the most effective method for this module?

Yes.....No.

Would you prefer a more personal face to face interaction learning process where you see each student face to face?

^	
Voc 🛩	
109	

No.....



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on
within the electronic system be of use?
YesNo.
Where you happy with all the tasks you were asked to do in this module?
Yes
No.
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes.
No
Were you happy with the time frame allocated for each task?
Yes
No.
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes
No

1



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Do you believe students only comment on a students work in which interact with personally?

Yes)				 	
No					 	
In your	own opi	nion why?	?	•••••	 	

Do you think the use of a Class party is a good method of interacting and getting to know your class mates?

Yes		 	
No		 	 ••••••
In your opinior	ı why?	 	



(res.)	
No	
In your opin	on why?
lf so did yo	u get to know any one you may otherwise have not?
Yes	
No	
In your opin	on why?
to their fac	ocate all the names on the minor thesis electronic learning module
to their face	?
to their face	9?
to their face	9?
to their face	9 ? on why?
to their face	9 ? on why?
to their face	9? on why?
to their face	on why? or have you commented on any students work you do not know
to their face	er have you commented on any students work you do not know or have spoken to in person?



•••••••••••••••••••••••••••••••••••••••	
Are you concerned at all with your spellin	g and grammar etc when using this
module?	
(res)	
No	
Are you concerned with the fact that the r	nodules lecturer is over looking eacl
detail written?	
(Yes)	
No	
Would you say students you know persor	nally are not themselves on module
compared too how they act face to face?	
(Yes.)	
No	
In your opinion why?	
	•••••••••••••••••••••••••••••••••••••••
Do you think this is the most effective me	thod for this module?
Yes	
No).	
Would you prefer a more personal face to	face interaction learning process
where you see each student face to face?	
Van 7	
Yes	
No	

6



Should there be a consideration for a mixture of the two?	
(Yes)	

No	
Would a photograph of each student situated beside each students nar	ne on
within the electronic system be of use?	
(Yes)	• • • • • • • • • • • • • • • • • • • •
No	
Where you happy with all the tasks you were asked to do in this module) ?
Tes	• • • • • • • • • • • •
No	
Would you find it easier to ask questions if this module used a face to f	ace
method of learning?	
(Yes)	
TNO	
C.	
Were you happy with the time frame allocated for each task?	
Yes	
No.	
Were you happy with the date in which each task was allocated in relati	on to
other modules you had work for and the date in which your thesis is du	e?
Yes	
No	
No.	

(



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Do you believe students only comment on a students work in which interact with personally?

Yes			
No			
ln your own o	opinion why?		
	••••••		
Do you think	k the use of a Class party is a	a good method of interac	ting and
getting to kn	now your class mates?		
(Voc			
460		• • • • • • • • • • • • • • • • • • • •	
No			
No In your opinio			
No In your opinio	on why?		



(es.)
No
In your opinion why?
If so did you get to know any one you may otherwise have not?
res)
No
In your opinion why?
Can you allocate all the names on the minor thesis electronic learning module
to their face?
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know
to their face?
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know
to their face? Ves No In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person?



 *	*******************************	*******************************

Are you concerned at all with your spelling and grammar etc when using this module?

(Yes)			
res	 	 	
No	 	 	

Are you concerned with the fact that the modules lecturer is over looking each detail written?

Yes/	 	 	
U			
No			

Would you say students you know personally are not themselves on module compared too how they act face to face?

Noc		
169	 	 * * * * * * * *
-		

No.....

In your opinion why?.....

Do you think this is the most effective method for this module?

Yes.

Would you prefer a more personal face to face interaction learning process where you see each student face to face?

Yes	 	
No	 	



Should there be a consideration for a mixture of the two?

Nes.	
No	

Would a photograph of each student situated beside each students name on within the electronic system be of use?

Vee			
¥es	 	 ****************	
<u> </u>			

Where you happy with all the tasks you were asked to do in this module?

Ye	es	
6		
(No	o,/	

Would you find it easier to ask questions if this module used a face to face method of learning?

'Yes)	 	
No	 	

Were you happy with the time frame allocated for each task?

Yes.....

Were you happy with the date in which each task was allocated in relation to other modules you had work for and the date in which your thesis is due?

Yes	
0	
(No)	



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Do you believe students only comment on a students work in which interact
with personally?
Yes.
No
In your own opinion why? Belause they lave no interest in
In your own opinion why? Berause they lave no interest in other peoples work is they den't know them.
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
Yes.
No
No
In your opinion why? It's a great vay to get know people



i

Yes.
No
In your opinion why? Because I crycy a social beverage
with my peers
~
If so did you get to know any one you may otherwise have not?
Yes.
No
In your opinion why? Because I wade the essent to get
to know them the party gave we that apportunity alternity.
as I night have beel that apportunity drenniel.
Can you allocate all the names on the minor thesis electronic learning module
to their face?
Yes.
No
In your opinion why? Belause its a small class
Would you or have you commented on any students work you do not know
personally or have spoken to in person?
Yes
No
In your opinion why? its easily to almost an a snerth



Are you concerned at all with your spelling and grammar etc when using this module?

Yes	 	
1		
No	 	

Are you concerned with the fact that the modules lecturer is over looking each detail written?

Ye	S	 	 	 	 ********	
	1					
No		 	 	 	 	

Would you say students you know personally are not themselves on module compared too how they act face to face?

Yes	
No	
In your opinion why?	

Do you think this is the most effective method for this module?

Yes	Des Alis		
100	Possibly	 	
No		 	

Would you prefer a more personal face to face interaction learning process where you see each student face to face?

Yes	PIESPRENCE
Ma	



Should there be a consideration for a mixture of the two?

Yes	 	 	
No	 	 	

Would a photograph of each student situated beside each students name on within the electronic system be of use?

Yes
No not really I know most the students already
Where you happy with all the tasks you were asked to do in this module?
Yes. J.
No
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes.
No
Were you happy with the time frame allocated for each task?
Yes
No
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes
No.



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Good idea, but annoying considering all the
other work we had to do
Do you believe students only comment on a students work in which interact
with personally?
Yes).
No
In your own opinion why?
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
(Yes.)
No
In your opinion why? Every body is more socrable
with Alcohol



Yes.	
No	
In your opinion why? Free Food	
	••
•••••••••••••••••••••••••••••••••••••••	•••
If so did you get to know any one you may otherwise have not?	
Yes.	••
No	• • • •
In your opinion why?	•••
•••••	••
	• • •
Can you allocate all the names on the minor thesis electronic learning modul	
Can you allocate all the names on the minor thesis electronic learning modul	le
to their face?	le
-	
to their face?	••
to their face? Yes	••
to their face? Yes	••
to their face? Yes No In your opinion why?	••
to their face? Yes No In your opinion why?	••
to their face? Yes No In your opinion why?	••
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know	•••
to their face? Yes	•••

Msc Environmental Systems		GM
Are you concerned at all with your spelling an	d grammar etc when	using this
module?		
Yes		
No		
Are you concerned with the fact that the modu	lles lecturer is over lo	oking each
detail written?		
Yes		
5		
No.).		
compared too how they act face to face?		
No	·····	
In your opinion why?Wast	od Marks	<i>.</i>
Do you think this is the most effective method	for this module?	
2		
Yes.)		
No		******
Mould you profor a more neveral face to face	intoraction le cominent	
Would you prefer a more personal face to face where you see each student face to face?	mileraction learning p	nocess
Yes		
No		
		* * * * * * * * * * * * * * * * * *

÷



Should there be a consideration for a mixture of the two?	
\frown	
(Yes)	
No	
Would a photograph of each student situated beside each students name	e on
within the electronic system be of use?	
(Yes.)	
\mathbf{O}	
No	
Where you happy with all the tasks you were asked to do in this module?	?
6	
(Yes)	
No	
NO	
Would you find it easier to ask questions if this module used a face to fa	ce
method of learning?	
(Yes.)	
No	
Were you happy with the time frame allocated for each task?	
(Yes.)	
No	
Were you happy with the date in which each task was allocated in relatio	n to
other modules you had work for and the date in which your thesis is due	
	•
(Yes)	
No	



Questionnaire

Comparing electronic learning methods to face to face work shops

Bla

What is was your first impression of the electronic based interactional method for your minor thesis?

It first theory says JA a good- dea but it seemed an isone HOUSIER it 22 get the stillet thinking door there there Do you believe students only comment on a students work in which interact with personally? Yes. No.... In your own opinion why? Because gos may have

spoken choose these thesis in conversions so I would have an - dea about these

Do you think the use of a Class party is a good method of interacting and getting to know your class mates?

Yes.. No In your opinion why? In any environment it is very important

to interact something that is difficult to do in college, by being an a class party you an get to know the person which in affect help you to telm of Protect help, decolline submission dates etc



No. In your opinion why? TO interact in the dassmates and get to know any one you may otherwise have not? Yes No. In your opinion why? Becase I may E not have spoke to them is called performed becase of styres on athen have Can you allocate all the names on the minor thesis electronic learning module to their face? Yes No. In your opinion why? The close is greated boott each athen is a lost of the state alloge Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes No. In your opinion why? Becase I a dit know anything abut three & title	(Yes)
Set to know any one you may otherwise have not? If so did you get to know any one you may otherwise have not? Image: Set to know any one you may otherwise have not? Image: Set to know any one you may otherwise have not? Image: Set to know any one you may otherwise have not? Image: Set to know any one you may otherwise have not? Image: Set to know any one you may otherwise have not? Image: Set to know any one you may otherwise have not? Image: Set to know any one you and the image: Set to know any otherwise have and the set to know personally or have spoken to in person? Yes No	No
If so did you get to know any one you may otherwise have not? Yes No. In your opinion why? Becase I may E not have so the b Elem in colege period becase of States on other inor thesis electronic learning module to their face? Yes No. In your opinion why? The close in glass has really mixed well and work have some down each other in person? Yes No.	In your opinion why? To interact is the dassmates and
If so did you get to know any one you may otherwise have not? Yes No. In your opinion why? Receive I may E not have so that to them in college performs because of shyres on other have been been been been Can you allocate all the names on the minor thesis electronic learning module to their face? Yes No. In your opinion why? The close in green has really mixed well and wold have spake that each other thess. No. de lastice alloge Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes. No.	get to know them
Yes No In your opinion why? Becase In your opinion why? Becase Stress On attress Description Description Stress Description Description Description Description Description Description Ves No In your opinion why? The closs Description Mo No No In your opinion why? The closs Description Mould you or have you commented on any students work you do not know personally or have spoken to in person? Yes Mo	
No. In your opinion why? Receive I may E not have spolved to Even in college pertage because of styres on other have Can you allocate all the names on the minor thesis electronic learning module to their face? Yes No. In your opinion why? The closs is a set to be dont each other thesis is a set of the store dont each other thesis is in the lost of store dont each other thesis is in the lost of store dont would you or have you commented on any students work you do not know personally or have spoken to in person? Yes	If so did you get to know any one you may otherwise have not?
In your opinion why? Becase I may E not have spoken to them in colors, perhaps becase of shyres on other have Can you allocate all the names on the minor thesis electronic learning module to their face? Yes. No. In your opinion why? The closs is greatly mixed well and world have spoke doot each attes thesis in fide laste alloge. Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes.	Yes
to them in colors, perhaps becaue of shyres on other have Can you allocate all the names on the minor thesis electronic learning module to their face? (Yes) No. In your opinion why? The closs in overesn has really mixed well and world have state about each other thesis inside laster allege Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes. No.	No
Can you allocate all the names on the minor thesis electronic learning module to their face? Ves. No. In your opinion why? The close in green has ready Mixed well and world have spake doubt each attern thesis in a de laster allege Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes. No.	
Can you allocate all the names on the minor thesis electronic learning module to their face? Yes. No. In your opinion why? The close Yes. Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes. No.	to them in college perhaps because of
to their face? Yes. No. In your opinion why? The close in greaters has ready Mixed well and world have spake about each actives thesis in side laster allege Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes. No.	shyres on other hout
Ves. No. In your opinion why? The close in greater has really mixed well and world have spoke about each atres theses in side laster slege Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes.	Can you allocate all the names on the minor thesis electronic learning module
No. In your opinion why? The closs in queres has ready mixed well and world have specke doot each other thesis inside loster alege. Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes.	to their face?
In your opinion why? The closes in question has ready Mixed well and world have spoke doot eachather theses inside loster allege Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes.	Yes.
Mixed was and world have specke door eachatter thesis inside loster allege. Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes.	No
Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes	In your opinion why? The class in question has really
Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes	mixed was anon Grow and use spoke about
personally or have spoken to in person? Yes	eachather these inside lastice allege
Yes	
No.	personally or have spoken to in person?
	Yes
In your opinion why? Because 1 2:2nt know anything about there & title	\bigcirc
	In your opinion why? Becaure 1 2:2nt know anything about there & title,



Are you concerned at all with your spelling and grammar etc when using this module?

Yes.)	 	********	 	
\bigcirc				
No				

Are you concerned with the fact that the modules lecturer is over looking each detail written?

Yes.).... No.....

Would you say students you know personally are not themselves on module compared too how they act face to face?

Yes.....

No.) In your opinion why? In a masters core everyone wonts to learn and do well, there int any need for saying your not!

Do you think this is the most effective method for this module?

Yes.

Would you prefer a more personal face to face interaction learning process where you see each student face to face?





Should there be a consideration for a mixture of the two?
(Yes)
No
Would a photograph of each student situated beside each students name on
within the electronic system be of use?
$\overline{\mathbb{C}}$
(Yes.)
No
Where you happy with all the tasks you were asked to do in this module?
Yes
No
WAIIIA VAII TINA IT ASCIAL TA SEK AIIASTIANS IT THIS MAAIIIA IISAA S TACA TA TACA
Would you find it easier to ask questions if this module used a face to face
method of learning?
method of learning?
method of learning?
method of learning? Yes No Were you happy with the time frame allocated for each task? Yes
method of learning? Yes No Were you happy with the time frame allocated for each task?
method of learning? Yes No Were you happy with the time frame allocated for each task? Yes No
method of learning? Yes No Were you happy with the time frame allocated for each task? Yes No Were you happy with the date in which each task was allocated in relation to
method of learning? Yes No Were you happy with the time frame allocated for each task? Yes No
method of learning? Yes No Were you happy with the time frame allocated for each task? Yes No Were you happy with the date in which each task was allocated in relation to
method of learning? Yes No Were you happy with the time frame allocated for each task? Yes No Were you happy with the date in which each task was allocated in relation to other modules you had work for and the date in which your thesis is due?

14/1- -4 :



ام م ما 4 م

d interaction

Questionnaire

Comparing electronic learning methods to face to face work shops

what is was your first impression of the electronic based interactional method
for your minor thesis?
A bit detached from the group
Do you believe students only comment on a students work in which interact
with personally?
Yes
No
In your own opinion why? That to offence D.C.C.
•••••••••••••••••••••••••••••••••••••••
•••••••••••••••••••••••••••••••••••••••
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
Yes
No
In your opinion why? Fersonallyes are discoursed.



Yes
No
In your opinion why? FAMLE MORE
If so did you get to know any one you may otherwise have not?
Yes
NoN/A
In your opinion why?
Can you allocate all the names on the minor thesis electronic learning module
to their face?
Yes
Yes
No
Yes No In your opinion why? Some <u>I've new seers</u>
Yes
No
No In your opinion why? Some Line new seek. Would you or have you commented on any students work you do not know
No In your opinion why? Some Live And Seers. Would you or have you commented on any students work you do not know personally or have spoken to in person?
No In your opinion why? Some Line new seek. Would you or have you commented on any students work you do not know
No In your opinion why? Some Live And Seers. Would you or have you commented on any students work you do not know personally or have spoken to in person?

Msc	Environmenta	al Systems
-----	--------------	------------



Are you concerned at all with your spelling and grammar etc when using this
module?
Yes
No
Are you concerned with the fact that the modules lecturer is over looking each
detail written?
Yes
No
Would you say students you know personally are not themselves on module
compared too how they act face to face?
Yes
No
In your opinion why? Arrivers seen but their
personalty
/
Do you think this is the most effective method for this module?
Yes
No
Would you prefer a more personal face to face interaction learning process
where you see each student face to face?
Yes
No



ł

Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on within the electronic system be of use?
No
Where you happy with all the tasks you were asked to do in this module?
YesNo
Would you find it easier to ask questions if this module used a face to face
method of learning? Yes
No
Were you happy with the time frame allocated for each task?
Yes
No
Were you happy with the date in which each task was allocated in relation to other modules you had work for and the date in which your thesis is due?
Yes
No



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

progress à conversent for hunding up
progress à louverent for hand ing up
anigrment
Do you believe students only comment on a students work in which interact
with personally?
Yes.
No
In your own opinion why?
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
Yes.
No
In your opinion why?



Yes
No
In your opinion why?
If so did you get to know any one you may otherwise have not?
Yes
No
In your opinion why?
Can you allocate all the names on the minor thesis electronic learning module
to their face?
to their face?
to their face? Yes.
to their face? Yes No
to their face? Yes No In your opinion why?
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know
to their face? Yes No In your opinion why?
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person?



Are you concerned at all with your spelling and grammar etc when using this module?

Yes	
No.	

Are you concerned with the fact that the modules lecturer is over looking each detail written?

Yes	 	 	
No	 	 	******

Would you say students you know personally are not themselves on module compared too how they act face to face?

Yes.....

No.....

In your opinion why?.....

.....

Do you think this is the most effective method for this module?

Yes.....

No.____

Would you prefer a more personal face to face interaction learning process where you see each student face to face?

Yes.	
No	



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on within the electronic system be of use?
Yes
No
Where you happy with all the tasks you were asked to do in this module?
Yes
No.
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes
Yes
YesNo
Yes: No. Were you happy with the time frame allocated for each task?
Yes: No Were you happy with the time frame allocated for each task? Yes
Yes:NoNoYesNo
Yes: No. Were you happy with the time frame allocated for each task? Yes. No. Were you happy with the date in which each task was allocated in relation to



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Thaght it with the	dy	Krent	LAS (incored
with the	Larela of	Dersona	1 inte	acture.
with the				
••••••	••••••			
Do you believe student	s only comment	on a students	work in which	ch interact
bo you soneve student	sony comment	on a stadonts		

with personally?

Vac	-				
res		• • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * * * *	 	

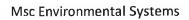
No.....

In your own opinion why?....

	 	 	• • • • • • • • • • • • • • • • • • • •	
•••••	 •	 		

Do you think the use of a Class party is a good method of interacting and getting to know your class mates?

Yes.	
No	
In your opinion why?	Knows cool other





Yes
No
In your opinion why?
If so did you get to know any one you may otherwise have not?
Yes
No
In your opinion why? 1900 relaxed and phere
Can you allocate all the names on the minor thesis electronic learning module
to their face?
to their face?
Yes
Yes
YesNo
YesNo
YesNo
Yes No In your opinion why?
Yes No In your opinion why? Would you or have you commented on any students work you do not know
YesNo NoNo why? In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes No
Yes No In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes

Msc	Environmental	Systems
-----	---------------	---------



Are you concerned at all with your spelling and grammar etc when using this
module?
Yes
No
Are you concerned with the fact that the modules lecturer is over looking each
detail written?
Yes
No
Would you say students you know personally are not themselves on module
Would you say students you know personally are not themselves on module
compared too how they act face to face?
Yes
No
In your opinion why?
Do you think this is the most effective method for this module?
Yes
No.
Would you prefer a more personal face to face interaction learning process
where you see each student face to face?
Yes
No



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on within the electronic system be of use?
Yes
No
Where you happy with all the tasks you were asked to do in this module?
Yes
No
Would you find it easier to ask questions if this module used a face to face method of learning?
Yes.
No
Were you happy with the time frame allocated for each task?
Yes
No
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes
No.



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Good lesarce but to broad,
Do you believe students only comment on a students work in which interact
with personally?
No
In your own opinion why? People only Convert on
people they are store finishive with in the group incase they sight offend the tess well known.
Do you think the use of a Class party is a good method of interacting and getting to know your class mates?
Yes
No
In your opinion why? Always a popular Charce
again, people that two up (exp 1st Class ply) get to know each other better for the rest of
the year



Did you attend your class parties?
Yes
No
In your opinion why? good for ton Marale
If so did you get to know any one you may otherwise have not?
Yes.
No
In your opinion why? Socializing you always
internet casier marke chat in a public
ewconnent.
Can you allocate all the names on the minor thesis electronic learning module to their face?
to their face?
to their face? Yes No
to their face? Yes No
to their face? Yes
to their face? Yes No In your opinion why?
to their face? Yes No In your opinion why?
to their face? Yes No In your opinion why?
to their face? Yes
to their face? Yes

Msc Environmental Systems
Are you concerned at all with your spelling and grammar etc when using this
module?
Yes.
No
Are you concerned with the fact that the modules lecturer is over looking each detail written?
Yes (She connot be an export in every field)
No
Would you say students you know personally are not themselves on module compared too how they act face to face?
Yes
No.
In your opinion why?
Do you think this is the most effective method for this module?
Yes (needl (ontent feduchon)
No
Would you prefer a more personal face to face interaction learning process
where you see each student face to face?
Yes
No.



Should there	be a	consideration	for a	mixture	of the	two?
					.	

Yes	 	
No		

Would a photograph of each student situated beside each students name on within the electronic system be of use?

Yes

No				
INIO				
INVERSENTEREST	 	 	************	

Where you happy with all the tasks you were asked to do in this module?

Yes						*********	
111	1. 0	F	A. A.E	.11	IN I A	int o)
No	Wand	.7	Hale Sila	Sty l	Alot	and Chan	ge /

Would you find it easier to ask questions if this module used a face to face method of learning?

Yes			
100		 	
	/		
	/		
No			
10		 	

Were you happy with the time frame allocated for each task?

Yes (Source More than Alars) No.....

Were you happy with the date in which each task was allocated in relation to other modules you had work for and the date in which your thesis is due?

Yes.	 •	

No.....

Esg Questionnaire



Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

I think	it is	a 9000	way	of ge	tting
I Hunk some	ideas -	together	on	where	and
how to.	stant	Researc	ching.	TOR !!	pur.
thesis	topic +	title			

Do you believe students only comment on a students work in which interact with personally?

98
p /
your own opinion why?
o you think the use of a Class party is a good method of interacting and
o you think the use of a Class party is a good method of interacting and etting to know your class mates?
etting to know your class mates?
etting to know your class mates?



Yes
No
In your opinion why?
If so did you get to know any one you may otherwise have not?
Yes
No
In your opinion why?
• • • • • • • • • • • • • • • • • • •
Can you allocate all the names on the minor thesis electronic learning module
to their face?
to their face?
to their face? Yes
to their face?
to their face? Yes
to their face? Yes No In your opinion why?
to their face? Yes No
to their face? Yes No In your opinion why?
to their face? Yes No In your opinion why?
to their face? YesNo No In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person?
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know
to their face? Yes No In your opinion why? Would you or have you commented on any students work you do not know personally or have spoken to in person? Yes



Are you concerned at all with your spelling and grammar etc when using this
module?
Yes
No
Are you concerned with the fact that the modules lecturer is over looking each detail written?
Yes
No
Would you say students you know personally are not themselves on module compared too how they act face to face?
Yes
No
In your opinion why?
Do you think this is the most effective method for this module?
Yes.
No
Would you prefer a more personal face to face interaction learning process
where you see each student face to face?
Yes
No.



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on
within the electronic system be of use?
YesNo
Where you happy with all the tasks you were asked to do in this module?
Yes
No
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes
No
Were you happy with the time frame allocated for each task?
Yes
NoV
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
YesNo.
NO

Yes....



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional method for your minor thesis?

Contrace. La Constract Pl Do you believe students only comment on a students work in which interact with personally? Yes... No..... In your own opinion why?..... le prieq to the Shelat a aments appendela Do you think the use of a Class party is a good method of interacting and enumer getting to know your class mates?

No..... In your opinion why? P anne G



Yes
No
In your opinion why? To get to know my lese notes. The left is gellen subject on fibre
If so did you get to know any one you may otherwise have not?
Yes
No
In your opinion why?
Can you allocate all the names on the minor thesis electronic learning module
Call you anocate an the names on the minor thesis electronic learning module
to their face?
to their face?
to their face? Yes
to their face? Yes No
to their face? Yes No
to their face? Yes No In your opinion why? DS. begane for the destroy of the theory of the
to their face? Yes No In your opinion why? Became for destand for the formation of t
to their face? Yes No In your opinion why? By beane of the destroy of the factor by beane of the destroy of the factor by beane of the destroy of the factor Would you or have you commented on any students work you do not know personally or have spoken to in person?
to their face? Yes No In your opinion why? Also began for the strenge for t

GMIT & a shudent Knew with breesed it previe-shy

Are you concerned at all with your spelling and grammar etc when using this module?

Yes..... No.....

Are you concerned with the fact that the modules lecturer is over looking each detail written?

/	Yes It is not important in the carly street
	No
	Would you say students you know personally are not themselves on module compared too how they act face to face?
	No. In your opinion why? Any the to impress the lacher
	Do you think this is the most effective method for this module?
	Yes
	Would you prefer a more personal face to face interaction learning process where you see each student face to face?
	٤).
	Νο

÷



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on within the electronic system be of use?
Yes No
Where you happy with all the tasks you were asked to do in this module?
Yes
Would you find it easier to ask questions if this module used a face to face
method of learning? Yes No
Were you happy with the time frame allocated for each task?
Yes
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes



Questionnaire

Comparing electronic learning methods to face to face work shops

What is was your first impression of the electronic based interactional metho	d
for your minor thesis?	

I Odidn't thinks it would work
Do you believe students only comment on a students work in which interact
with personally?
Yes
No
In your own opinion why? Because of the varied backgrounds
of the students in our class many students wouldn't have
at the students mour class, many students wouldn't have seen expand to alot at the natoerial in some at the proposed thesis titles
proposed thesis titles
Do you think the use of a Class party is a good method of interacting and
getting to know your class mates?
YesV
No
In your opinion why? more relaised a truster place place for social
interaction as opposed to a nove academic Sackdrop



Did you attend your class parties?
Yes
No
In your opinion why? To get to know my class mates
If so did you get to know any one you may otherwise have not?
Yes.
No
In your opinion why? Becase not everyone takes the same nodules
A. 574 S. 676
Can you allocate all the names on the minor thesis electronic learning module
to their face?
Yes
No
In your opinion why? Because I went to the desa parties
Would you or have you commented on any students work you do not know
personally or have spoken to in person?
Yes
NoV

In your opinion why?.....

Msc	Environmental	Systems
-----	---------------	---------



************************************	 ****************	

Are you concerned at all with your spelling and grammar etc when using this module?

Voc	1				
165	V	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	 • • • • • • • • • • • • • • •	
No				 	

Are you concerned with the fact that the modules lecturer is over looking each detail written?

Vaa			
res		 	
	. /		
	U		
No			

Would you say students you know personally are not themselves on module compared too how they act face to face?

Yes	Voc				
	169	******************************	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	
	/	-			

No.....

In your opinion why?.....

.....

Do you think this is the most effective method for this module?

Yes..... No....

Would you prefer a more personal face to face interaction learning process where you see each student face to face?

Vos			
165	 	 	* * * * * * * * * * * * * * * * * * * *
No	 	 	



Should there be a consideration for a mixture of the two?
Yes
No
Would a photograph of each student situated beside each students name on
within the electronic system be of use?
Yes
No
Where you happy with all the tasks you were asked to do in this module?
Yes
No
No
Would you find it easier to ask questions if this module used a face to face
method of learning?
Yes
No
Were you happy with the time frame allocated for each task?
Yes
No
Were you happy with the date in which each task was allocated in relation to
other modules you had work for and the date in which your thesis is due?
Yes
No