E-Learning-based Course Development: Development in Internet Service

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ABSTRACT

The objectives of this study are: (1) to develop E-learning lessons for Development on Internet Service 3603105 E-Learning Course, (2) to provide students with the opportunity to search for subject content without time and place concerns, (3) and to investigate the students' attitude towards the constructed E-learning lessons.

50 students were selected by means of purposive sampling technique from three level categories of learning competency: high, medium, and low, and who are enrolled in Development in Internet Service 3603105 E-Learning Course in the 1st semester of 2012 academic year, were employed as the sample group of the study. The collected data were analyzed by using Mean and Standard Deviation.

The development of E-learning lessons for Development in Internet Service 3603105 E-Learning Course resulted in 10 lessons put on the http://lms.ubru.ac.th/ including the following: 5 question items with 4-multiple choice. Answers of pre-tests and post-tests for each lesson were also obtained.

Positive feedback was obtained from E-learning lessons for Development on Internet Service 3603105 E-Learning Course.

Among the aspects of the lessons that gained high mean scores were composed of subject contents suitable for the level of learners' competency level, considering that the learning management system on the Internet was convenient, and that the students were able to learn at their own pace and convenience in terms of time and place. The research suggested that the subject matter should be regularly improved and updated in order to develop the 3603105 E-Learning Course to suit the changes of the teaching and learning of this subject.

Keyword: E-Learning, Development on Internet Service

1. The history and significance of the problem

The Development of Teaching and Learning on the Internet is an optional course code 3603105 for Graduate students of the Faculty of Business Administration and Management. This course must be studied within the context of teaching about the basic principles of operation between the server and the client. The Web browser is the program connecting to the server. Data management is done using a database management system through a server. Computer system and process of development of systems on the Internet is in the development work in the Internet using one language.

Implementing E-Learning lessons to use in the teaching process is an alternative option for students. This is the current course of development of systems on the Internet. There are no teaching materials for students that help students learn more from teaching in the classroom. The issue, then, is thought to be of the development of the E-learning Course Development Course 3603105 on the Internet to benefit the students in the computer business. The Faculty of Business Administration and Management Students in this course and individuals with an interest in this content are to benefit in this program.

Implementing E-Learning lessons is an alternative choice to assist researchers in

problem-solving instruction. It is widely accepted among educators. Research indicates that many can solve problems amidst the different backgrounds of the students. The lessons taught shortage of time shortage of specialists (Thanomporn Laohajarassang,1998)

Therefore, the research objective is to develop lessons in course development and on course code 3603105 on the Internet so that students can acquire knowledge that is convenient, fast, effective, and safe. As an expected result, students have higher achievement.

2. Research Objectives

2.1 To develop the E-learning course development on the Internet in online course code 3603105.

2.2 So that students can study the course material on Internet Systems Development Course 3603105 independently.

3. Methods
3.1 Population
3.1.1 People

The population in this study is the students in the computer business, Faculty of Business Administration and Management.

3.1.2 Sample

The subjects were students in the computer business of the Faculty of Business Administration and Management, 50 people were selected by purposive sampling.

3.2 The variables used in the research.

3.2.1 Independent variables study lessons using e-Learning Course Development on the Internet (Development on Internet Service) course code 3603105.

3.2.2 Bachelor degree student of Business Computer of the Faculty of Business Administration and Management.

3.2.3 Variables as satisfaction of the students to use e-Learning Course Development courseware systems on the Internet (Development on Internet Service) course code 360310.

3.2.4 Scope of content in the development of e-Learning is offered by the cover. In the course of development of systems on the Internet (Development on Internet Service) course code 3603105 in bachelor degree of Business Computer of the Faculty of Business Administration and Management Contains 11 chapters: Chapter 1 Knowledge of Internet and website development Chapter 2 languages for web development (HTML / XHTML) Chapter 3 Installing Software Development Chapter 4 applications Adobe Dreamweaver Chapter. 5 web programming language PHP Chapter 6: MySQL database management Chapter 7 Using JavaScript in chapter 8 of the Session / Cookie Chapter 9 Using the PHP function Chapter 10 System Development and upload files with. PHP

3.3 Steps to Research

The guiding principle of the research is the construction of a network as a medium of instruction for their research. The steps in this research are the following:

3.3.1 2 Review of Literatures

(Clank and Mayer, 2003) provides a definition of e-learning is a teaching and learning by using. Computer using the CD - ROM, Internet, Intranet as a channel to broadcast feature. Important is the lesson has associated gum content. The purpose of the study Teaching techniques to help make. Learning Practice Examples include the use of teaching materials for a multimedia presentation of content. And create knowledge New skills to students or enhance the organization. Consistent with the goals of the group or organization in need.

(Marc, 2001) provides a definition of e-learning is to produce patterns of teaching using. Internet technology to broadcast content If your looking for or knowledge Learning and teaching with e-learning there. Significant elements Including the use of the computer network management and learning. Teaching computer and technology of the Internet is the set of tools and can be used for. Teaching a variety of forms

3.3.2 Data collection to be taught in E-Learning Development.

3.3.3 Testing of design before and after each lesson.

3.3.4 Presentation design of E-Learning.

3.3.5 Development of E-Learning.

3.4 Tools used in the research

The tools used in this research are the following:

3.4.1 E-learning course development on the Internet, the researcher presented the data in a text, illustrations, video interaction with the students.

3.4.2 A questionnaire measuring the disposition of students towards the satisfaction of using e-Learning Course Development on the Internet.

3.5 Creating research tools

3.5.1 The E-Learning Development Course on the Internet in the study design lessons E-Learning Course 3603105 Course Development on the Internet in the process of designing and building the next lesson.

3.5.1.1 Description and analysis of the Faculty of Business Administration and Management (curricular 2011)

3.5.1.2 Studies related content Development Course 3603105 on the Internet, from books and websites.

3.5.1.3 Development Course 3603105 on the Internet.

3.5.1.4 Preparation of test materials and create electronic documents.

3.5.1.5 The lessons and quizzes of web management systems.

3.5.1.6 Trial by sample.

3.5.1.7 Inspection and adjustment

3.5.1.8 Execution

3.5.2 The disposition of students toward the lesson in the E-Learning Course Development Course 3603105 on the Internet. The disposition of the students towards the lesson course development on the Internet will be evaluated. The research was conducted to establish the disposition of the students is in the following steps:

3.5.2.1 Documentation of the creation of the disposition.

3.5.2.2 Framing content concept and scope It covers the structure of the questions and lessons on content of teaching and learning. And other proposals

3.5.3 Creating an attitude to cover the scope defined by the model. 5-level scale according to the level of the Lim Kurt the following criteria.

The most satisfying for you: 5
Satisfying for you: 4
The average satisfaction score: 3
Less satisfied: 2
Least satisfaction: 1

3.5.4 Bringing an attitude to try to improve the recommendations.

3.5.5 Bringing an attitude to the sample.

3.6 How to perform experiments and collect data.

The research was conducted manually. The study was conducted in the following order:

3.6.1 Preparation

3.6.1.1 Operating Plan

3.6.1.2 To study the problem in learning Course Development 3603105 on the Internet.

3.6.1.3 Education and research papers related to the lesson.

3.6.1.4 The duration of the experiment.

3.6.1.5 Preparation of samples used in the experiments (the meeting date, time and place).

3.6.1.6 Preparation of laboratory and computer by giving the students one computer each to experiment in the computer laboratory.

3.6.1.7 Trial of the lesson on the Internet.

3.6.2 Experiments

The research conducted in this stage of the trial:

3.6.2.1 The recommended method of learning through the Internet and the different terms

3.6.2.2 Students will learn a step by step lesson on E-Learning.

3.6.2.3 The students in the sample group will have activities during the class at the end of each lesson until the content of the lessons is finished.

3.6.2.4 The students in the sample group to practice between classes and after school.

3.6.3 The data collection

The researcher collected attitudes of students toward the lesson 3603105 E-Learning Course Development Course on the Internet from students who completed the course in the final period.

3.7 Data Analysis

The attitude of the students toward the lesson of the E - Learning Course Development Course 3603105 on the Internet was analyzed using the mean and standard deviation considering the average of the attitude of the students toward learning on the Internet compared is 3.5 If the attitude of the students had an average score of more than 3.5, it means that the students' attitude toward learning lessons E-Learning Course Development Course 3603105 on the Internet.

4. Result research

The summary of the objectives of the research on the Development of E-learning Course development, Course Code 3603105 on the Internet are as follows:

4.1 The Development of E-Learning course development, course code 3603105 on the Internet.

The development of E-learning course development, course code 3603105 on the Internet through learning found in http://lms.ubru.ac.th/ comes with the following content:

4.1.1 E-Learning course development, course code 3603105 on the Internet consists of sub-10 chapter 1 lesson is knowledgeable about the Internet and web development Chapter 2 languages for web development (HTML / XHTML) Chapter. 3 Installation Program for Development Chapter 4 applications Adobe Dreamweaver Chapter 5 web programming language PHP Chapter 6: MySQL database management Chapter 7 Using JavaScript in chapter 8 of the Session. / Cookie Chapter 9 Chapter 10 Using the PHP Development upload files with PHP.

4.1.2 Tests Lesson of 5 and a multiple-choice test with 4 options.

4.1.3. Homework and assignments that provide practice in each chapter.

4.1.4. Post-tests in lesson number five is a multiple-choice test with 4 options, which is the same as the previous test.

4.2 The attitudes of students toward the lesson E-Learning Course Development on the Internet code of 3603105.

Analysis of the attitude of students toward the lesson E-Learning Course Development on the Internet code of 3603105 will see that the attitude of students toward the lesson in the story of the average score over the 3.5 means. Students are very satisfied or it can be said that the students' attitude towards the lesson E-Learning Course Development on the Internet code of 3603105.

5. Discussion of findings

The attitude of the students toward the lesson E-Learning Course Development on the Internet code of 363105 results showed that the overall students' attitude towards the lesson on E-Learning Course Development on the Internet Course Code 363105 in its teaching on the Internet means that students are enthusiastic and interested in learning more. Teaching on the Internet can encourage students to be more alert and fun and enthusiastic to learn more. Students can learn the lesson on their own any time. Students see the importance of using the Internet to learn more. Lessons learned from the activity on the Internet are consistent with its contents. Students can use the lessons learned from the Internet to link learning content with real life and other areas. This is consistent with the hypothesis.

6. Suggestions
6.1 General feedback

6.1.1 Should be able to prepare the equipment and the Internet to facilitate learning even more.

6.1.2 Should increase multimedia learning such a CD-Learning, where students can study without Internet connection as another way of learning for students.

6.2 Suggestions for further research.

6.2.1 Performance should be tested using quizzes and the like.

6.2.2 Development of the Internet in other courses in order to expand knowledge and to be more diverse.

7. Reference

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