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Enhancement of learning process in Web-based courses using combined media components.

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Corporate Author : NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Personal Author(s) : Georgios, Desypris

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Abstract : Web-based courses are a popular form for applying distance education today. The development of the educational environment for applying these kind of courses is often

considered an art form. Two approaches were studied for the development of a part of a web-based course. The first is the instructional design approach and how an instructor will implement the best course possible applying the more suitable instructional strategies. The second is how these instructional strategies will be adapted to the web for the creation of an educational environment that will enhance the learning process. Combined media components were used, animations and movies, to study the added value of these components to the instructional strategies. The course was delivered to a number of students who evaluated the result. The evaluation assessed the course for both the instructional quality and the web site design and usability. The scope is to study how to develop a high quality web-based course and to determine if the combined media components added value to the educational result. We believe that this study will help us to create the knowledge base for the planning and development of web-based courses br the personnel of the Hellenic Navy.

Descriptors : *COURSES(EDUCATION) , *COMPUTER AIDED INSTRUCTION , *LEARNING , *INTERNET , OPTIMIZATION , ENVIRONMENTS , STRATEGY , EDUCATION , STUDENTS , TEACHING METHODS , THESES , QUALITY , KNOWLEDGE BASED SYSTEMS , MEDIA , RANGE(DISTANCE)

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