

Towards Interactive Presenter and computer aids in Finnish physiology and pathophysiology education.

Hänninen O*, Pekkarinen H*, Ripatti I**, Louhevaara V*, Häyhä A*
*University of Kuopio, **Dolphin Interactive

At present there are physiology curricula in seven universities in Finland. The spectrum of the teaching varies from traditional lectures to distant learning through net services. The computer aids have been developed to help both the teachers and students.

INTERACTIVE PRESENTER™

Audience participation is the key to any successful presentation. Interactive Presenter™ helps teachers to meet the needs of the audience. It is a system of software and individual Interactive Presenter™ handsets communicating with a laptop computer. The teacher guides the learning process with multiple choice questions and interactive audience feedback system makes each lecture unique in a local infrared network established in the lecture hall. System uses multimedia technology and provides problem based learning and communication. An audience up to one thousand can be identified individually. Ten background factors can be pre-programmed and combined (Boolean operators) with up to 99 questions during a session. This means also a new possibility to collect data and study learning. Interactive Presenter™ was used in spring 2002 for first year medical students during part of the physiology lectures. Also a revision test before the final exam was made with this system. Students have been eager to use Interactive Presenter™ and their judgement has been positive.

FINNISH FITNESS PLAN

Finnish Fitness Plan is an educational program on physical activity, fitness, and health. The subject area is called exercise medicine. Through open university, University of Kuopio offers and coordinates courses in exercise medicine all around Finland. The program on exercise medicine has gained a great interest. For recent years, it has been even possible to get a master's degree in health sciences majoring in exercise medicine. In addition to educational material, in Finnish Fitness Plan program an interactive virtual fitness laboratory (including EnergyNet) is available to everybody. For teenagers, a "health knowledge and skills package" called TEENS has been created. Now a special health knowledge course for all Finnish teachers is being developed. Interactive, and inspiring learning environment and several special tools (e.g. EduEditor) have been developed for Finnish Fitness Plan.



Internet Addresses:

Interactive Presenter™: <http://www.ballotbox.fi>

Finnish Fitness Plan: <http://ffp.uku.fi>

Ergonet: <http://www.uku.fi/ergonetti>



ERGONET

In ergonomics the first phases (15 credit points) of the academic curriculum can be done in the Internet, too. Ergonomics is a study area which is based on the applications of physiology, psychology and sociology and of technical sciences. The objective of the ergonomics is to develop work and working conditions to correspond to physical, psychic and social properties and needs of the workers. Ergonet acts in Web-CT-learning-environment.

Department of Physiology, University of Kuopio,
POB 1627, 70211 Kuopio, Finland