ICT E FORMAZIONE A DISTANZA NEL SETTORE DELLA METODOLOGIA DELLA RICERCA

Santiago Spadafora, Franco Lucchese

SAPIENZA
UNIVERSITÀ DI ROMA

University Consortium
for Adaptive Disorders
and Head pain

ucadh

UNIVERSIDAD
ISALUD

The project aim is to establish a connection among Universities, Research Centers, Research and Clinical Institutions in Europe and in Latino-America, in order to create a multidisciplinary comprehensive tutorial promoting the transfer of knowledge, education and good practice on Research Methods.

These relationships are based on a 20 years tradition of collaborations, research projects, educational programs.

The activities programmed in order to be shared are:

1. e-Learning;
2. e-Health;
3. promotion of the international activities between Sapienza (Italy), ISalud (Argentina) and UCADH (Italy).

The University Consortium for Adaptive Disorders and Head pain (UCADH) conducts research on a large scale in the field of head and facial pain, adaptive disorders and related comorbid conditions.

ICT and e-learning can improve the collaboration between our universities, allowing researchers, clinicians and students to share knowledge and learning strategies.

Our goal it is to create virtual classes and laboratories, in the field of Research Methods, where it is possible to merge and share the different approaches and practice used in the universities and institutions involved. achieved.

To increase the robustness of these learning method, we will use a blended way for e-learning activities.

Periodically, researchers of the universities and institutions involved will organize seminars and workshop to the colleagues, showing the results

INNOVATIVE FEATURES (1)

We promote the use of a
"Collaborative learning" methodology.

The premise of collaborative learning is " reaching consensus through cooperation among group members ." It involves the entire spectrum of activities of groups of students working together in the classroom and outside the classroom. There is no single method , can be as simple and informal (such as when students discuss their ideas with each other looking for some sort of consensual response , for later to share with their friends), how much more formally structured according to the different story lines that can be created in realization of a cooperative learning.

INNOVATIVE FEATURES (2)

All the courses will be implemented on an open-access platform.

The materials will be completely accessible to people with sensory impairment (blind and deaf).

Test and questionnaires for the evaluation of learning levels achieved will be implemented and tested for psychometrical robustness and validity.

Both web_based and off-line input of data will be used.

Also will be implemented questionnaires for the efficay and quality perceived by the students.

Some of the topics from the educational programs

Theory:

Observational techniques and diagnosis

Information Theory and Coding of the observations

Defining variables and their roles

Experimental design and design complexity

Variables, types and techniques

Some of the topics from the educational programs

Methods:

Flow-chart of the data analysis

Choosing the correct statistical instrument

Robustness, Validity, Attendibility

Hypothesis testing

Some of the topics from the educational programs

Software instruments:

Software for questionnaire implementation

On-line procedures for data collecting

Software for the statistical analysis

Software for data representation

Dissemination of results

A section of the e-learning platform will be used for:

- Sharing of good practices

- Evaluation of didactical methods

- Feedback by students and professors

- Bibliography