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Socrates Comenius / Grundtvig Course Database

Course Information

Reference number	IT-2006-067
Type of course Other courses	
Title of the course / Content In English or French:	LEARNING AND TEACHING USING MIND AND CONCEPT MAPS
Thematic field Main field: Secondary field:	General IST Courses Pedagogy and didactis
School level Adult education	
Target audience Teachers Headteachers Other school management staff Teacher trainers Non-teaching support staff	
Languages used in the course Main language:	English
Dates of the course Start date 2006-05-08	End date 2006-05-13
Number of places available Maximum number of participants: Places for Comenius/Grundtvig participants:	25 18

Price in euro per participant

Accommodation & Subsistence, if applicable:	500
Course fee (including materials):	680
Total:	1180
Cancelation fee:	100

Details of organizing institution

Name of contact person:	MRS GRAZIA MOREA
Name of organizing institution:	UNIVERSUS-CSEI
Address1:	VIALE JAPIGIA 182-188
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Location of the course

Town:	BARI
Country:	Italy
Nearest major city:	
Distance from course location:	

Bank account details of course organiser

Bank:	
Address1:	
Address2:	
Postal Code:	
City:	
Region:	
Country:	
Branch sort code / Branch swift code:	
Telephone no:	
Fax no:	
Account holder's name:	
Account holder's telephone no:	
Account holder's fax no:	
Account number:	
Instructions for payments:	

Description of course contents

Concept maps are tools for organizing and representing knowledge. "Concept-Mapping" is a tool for assisting and enhancing many of the types of thinking and learning that we are required to do at school or university, or at training centre. Developed by Prof. J. D. Novack of Cornell University (1983) it has a variety of applications within a broad range of domains. It can be used to: generate ideas; design a complex structure; communicate complex ideas; aid learning by explicitly integrating new and old knowledge; assess understanding or diagnose misunderstanding; enhance the problem-solving phases of generating alternative solutions and options; facilitate knowledge elicitation and management; analyze organisational decision making process; support reading comprehension; encourage positive self concept. Mind Maps are one of the types of concept maps made popular by Tony Buzan. Many opportunities to develop, draw and organise maps are taken from ICT environments and tools, available now. OBJECTIVES The purposes of "**LEARNING AND TEACHING USING MIND AND CONCEPT MAPS**" course is to provide knowledge and competence related to the use of mind and concept maps in teaching activities, about planning and management of training paths as well as managing and facilitating students learning processes. The training will provide the opportunity for trainers and teachers to discuss and compare opinions regarding "Mind and concept maps for learning and teaching" draw on experience from different countries co-ordinated by experts in this field. This aims to create a practical group which will foster the initiation of distance study and research projects. OUTCOMES At the end of training activities, participants will know: - The vocabulary and concepts required for the use of Concept Mapping- The research base for Concept Mapping- What

the impact on learning will be for students- The steps in planning and teaching Concept Mapping- Examples of ways to use Concept Mapping in the classroom Be able to: - Create a variety of Concept Maps- Plan and teach lessons using Concept Mapping keeping in mind students with learning disabilities.- Organise/ participate in discussions, which are stimulated by instructor questions- Provide thoughtful reflections and self-assessment regarding the use of Concept Maps through the Learning Log tool.- Create and use concept maps through IT tools Training programme is divided in n. 4 steps with related units : I Step (5 h): - Introduction to mental and concept maps- Theory and background informations - Creative thinking - Terminology and Concepts II Step (5 h): - Elements and structures of mind and concept maps- Connections to Brain Research- Impact on Learning III Step (7 h): - Thinking and teaching with concept maps- Using mind maps in teaching processes- Mind maps and information technology- Preparing lessons and presentations; preparing materials, lessons notes IV Step (8 h): - Concept maps laboratory : Software presentations and best practice- Application in the Classroom Reflections- Building concept maps for subjects, arguments and teaching cases chosen by participants- Modeling/Guided Practice with Concept Mapping Strategies The course will be divided in different Teaching Units, covering: - Presentation of course contents; - Analysis of selected works related to mind and concept maps applied to teaching; - Presentation of useful software to organise and draft maps; - Concept maps laboratory ; - Group research and learning by the participants. The course will be composed of: - 25 hours distance learning- 25 hours in the classroom and IT lab making a total of 50 hours. There will also be a skills certificate following the presentation of a paper to be shared with the study and research community. PREPARATION The preparation of the Training will be structured using the platform OPEN CAMPUS belonging to the Consortium Universitas. The participants will be provided with a personal password which will allow them to access to the preparation course and to consult on and off line materials. In addition, a tutor will guide the participants in initiating discussions on the forum. The preparation course, which lasts 25 hours, will allow: - autonomous learning in order to encourage an active participation in the training classroom activities; - first hand experience of active learning in the realm of distance learning, difficulties connected with on line communications and the dynamics of group learning; - the creation of a study and research g

Programme of the course (day by day)

The activity, will take place in the classroom and in the IT laboratory connected to the net and will follow the following program: 1st day: - Introduction to the mental and conceptual maps.- Theory and context information- Aspects connected to the brain researches 2nd day: - Foundations and Structure of the mental and conceptual Maps.- Impact on the learning- Creative thinking- Terminology and keys concepts 3rd day: - To think and to teach with the conceptual maps - Use of conceptual maps in the didactic- Test analysis with conceptual maps - Simulations and presentations of case studies 4th day: - Conceptual maps and information technology- Mind Mapping to write essays exams, reports, presentations and writing exercises- To prepare lessons and presentations; to prepare didactic materials, lessons minutes- Conceptual maps laboratory: useful software and best practice presentation 5th day- Conceptual maps laboratory; - Use of Cmap Tools and other software to elaborate Conceptual maps; - Construction of Conceptual maps on subjects and case studies chosen by the participants At the end of the activity every participants will be asked to: - To write and to publish a personal essay using the Conceptual maps tool on a teaching subject; - To evaluate, through an on line questionnaire (found on the open campus platform) the quality of the teaching service given (platform, didactic materials, tutor, teachers, organization) and to give their own likings.

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