



OPEN *e*CLASS
Course Management System

Open eClass

Asynchronous eLearning Platform

Student Manual

The **Open eClass** platform is a complete Course Management System. It is the solution offered by the Greek Academic Network GUnet to support Asynchronous eLearning Services. It is mainly designed, developed and supported by the GUnet Asynchronous eLearning Group and is distributed for free as open-source software.

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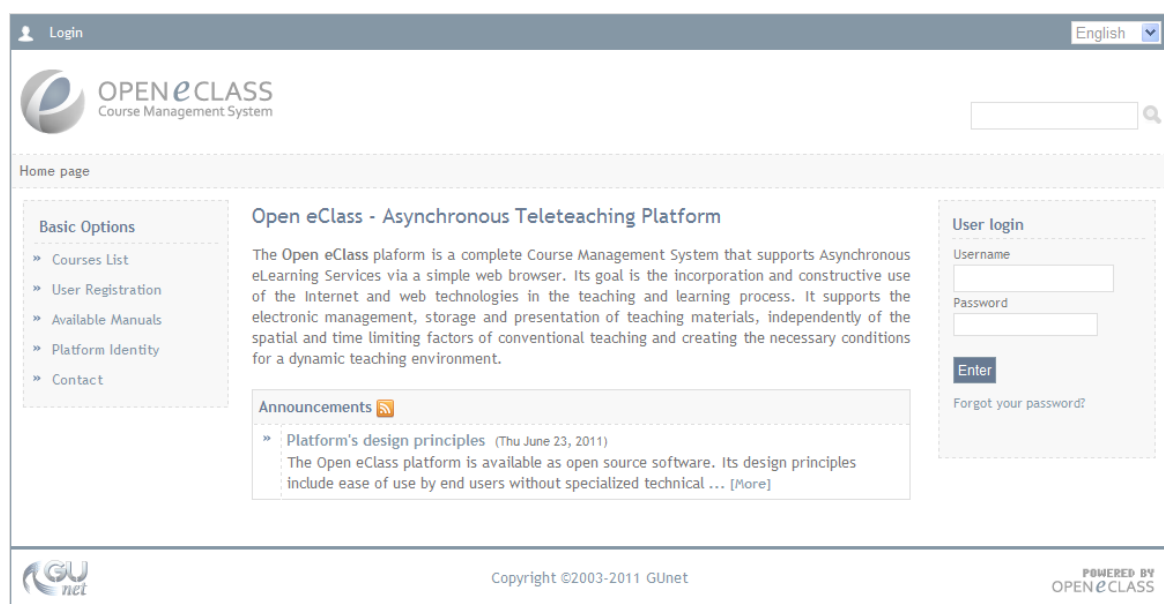
Table of Contents

TABLE OF CONTENTS.....	3
1. INTRODUCTION	5
2. PLATFORM REGISTRATION.....	6
2.1 STUDENT ACCOUNT	6
2.1.1 Application for Student Account.....	6
2.1.2 Student Registration (Automatically Account Creation)	7
2.2 ALTERNATIVE STUDENT ACCOUNTS.....	8
2.2.1 Student Registration through LDAP account	8
2.2.2 Student Registration through IMAP, POP3 Authentication	8
2.2.3 Student Registration through External Database (MySQL)	9
2.2.4 Student registration through Central Authentication Service (CAS or Shibboleth).....	9
2.3 USER LOGIN	9
3. USER PORTFOLIO.....	10
3.1 MODIFY YOUR PROFILE	10
3.1.1 Deleting an Account.....	11
3.1.2 Changing Password	12
3.2 COURSE REGISTRATION.....	12
3.3 MY CALENDAR	13
3.4 PERSONAL PORTFOLIO ANALYTIC VIEW	13
3.5 SEARCH.....	14
3.6 USER STATISTICS.....	14
3.7 EXIT	15
4. PLATFORM'S ECOURSES	16
4.1 COURSE UNITS.....	16
4.2 COURSE DESCRIPTION.....	18
4.3 AGENDA.....	18
4.4 DOCUMENTS	19
4.5 ANNOUNCEMENTS	19
4.6 FORUM.....	20
4.7 LINKS	21
4.8 COURSE ASSIGNMENTS	22
4.9 USER GROUPS	23
Group Assignment	24
4.10 EXERCISES	25
4.11 VIDEO	26
4.12 DROPBOX MODULE	27
4.13 QUESTIONNAIRES.....	28
4.14 TELECONFERENCING	28
4.15 LEARNING PATH	29
4.16 WIKI MODULE.....	31
4.17 ΓΛΩΣΣΑΠΙ	31
4.18 EBOOK MODULE	32
5. PLATFORM'S SUPPORT	32

1. Introduction

The **Open eClass** platform is a complete Course Management System. It is the solution offered by the Greek Academic Network GUnet to support asynchronous eLearning services. It is actively supported by GUnet and is distributed for free as open-source software.

The introduction of elearning into the traditional teaching process provides new capabilities and allows new means of interaction between students and teachers. At the same time, it supports the electronic management, storage and presentation of teaching materials, transcending limitations of space and time and creating the necessary conditions for a dynamic learning environment. The platform is accessible via a simple web browser without demanding any specialized technical knowledge.



Pic.1. Open eClass platform

This manual is a useful guide for the registered platform student users, in which one can find analytical presentations of platform operations. More specifically, what is described is the student participation in the platform (student registration, user profile, eCourse participation, access to educational material, electronic assignment submission, eCourse agenda and informational announcements, following a learning path, working in groups, discussion forums, self-evaluation tests, eCourse wikis, etc).

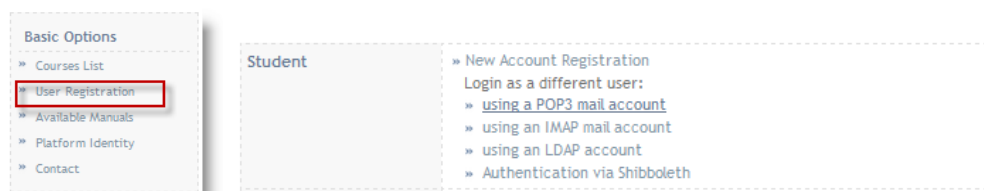
2. Platform Registration

On entering the Open eClass platform with a Student Account, you will immediately be allowed to explore a new dynamic learning environment. What is more, you will be able to gain access to all available eCourses (open eCourses, demanding registration eCourses, as well as “closed courses” that you have been invited/registered to by the eCourse teacher).

2.1 Student Account

In order to create a new student account you have to follow the next steps:

1. Select: “User Registration” from the platforms main page. This selection leads automatically to a) “Application for Creating a Student Account” or b) “Student Account Creation”
2. Then click on: “new student account”



Pic.2. Student Registration

Note that the appearance of the student account application form or the student account creation form depends on the administrator’s policy.

2.1.1 Application for Student Account

In case the system administrator has established a policy not allowing automatic student registration to the platform, then you have to fill the student account application form with your personal details. More analytically, you will need to fill in:

1. Your personal information: Name, Surname, Phone number and e-mail address.
2. The username you wish to have, which is the one you will be identified with by the system. Note: you are advised to use Latin characters for the username and no special characters; only numbers or/and letters.
3. Comments, where you can write the reasons for registering to the platform as a student.
4. Select the School or Faculty you belong to from the list and click on the “Send” button.

The platform administrator will receive your application and after processing it you will receive a registering confirmation email message, which will refer to your log in username and password. In case your personal information does not accurately provide your identity or state the reason why you applied, the administrator will contact you by email or phone call to get more information so as to create your account.

2.1.2 Student Registration (Automatically Account Creation)

If the system administrator has set a policy that allows automatic student registration to the platform, filling in the registration form will automatically create your student account. More analytically, you will have to fill in:

1. Your personal information: Name, Surname, Phone number and email address, as well as your Student Identity Number.
2. The username and password you want to have. They will be used by the system so as to identify you. Your password has to be typed twice for confirmation. Note: it is suggested that the username and password should be written in Latin characters and not include special characters; only numbers and/or letters.
3. Select the Scholl or Faculty you belong to from the list.
4. Finally, click on the Registration button.

Student Registration

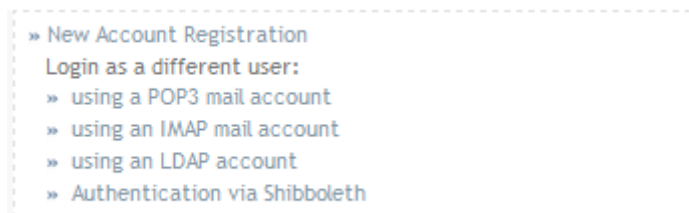
The screenshot shows a web form for student registration. At the top left, there's a blue tab labeled 'User Personal Data'. Below it, the form fields are arranged in two columns. The left column contains labels: 'First Name:', 'Last Name:', 'Username:', 'Password:', 'Confirmation:', 'Email:', 'StudentID:', 'Faculty:', and 'Language:'. The right column contains input fields: text boxes for First Name, Last Name, Username, Password, Confirmation, Email, and StudentID; a dropdown menu for Faculty (currently showing 'Δοκμαστικό 2'); and a dropdown menu for Language (currently showing 'English'). To the right of the Language dropdown, there's a text prompt 'Choose the language of the platform.' Below the Language dropdown, there's a text box for a code with the prompt '(*) Type code as it is displayed'. At the bottom right of the form, there is a blue button labeled 'Registration'. In the bottom left corner of the form area, there is a logo for 'trionas' with a stylized DNA helix graphic.

Pic.3. Student Account Registration

The system will check your personal information and automatically create your personal student account. At the same time you will be introduced to your personal portfolio in the platform and allow you to register in all available eCourses.

2.2 Alternative Student Accounts

If the installation of the Open eClass platform you use supports users' authentication through LDAP, IMAP, POP3, External MySQL, CAS or Shibboleth then the "Student Registration" link leads to a choice of alternative registration means.



Pic.4. Selecting a way to register as a student user

2.2.1 Student Registration through LDAP account

If you have an account in your Institute LDAP Directory Service then click on "New Account (using an LDAP account)". More analytically:

- Fill in the email and password you have in the LDAP Service. In that way, you will have access to the Open eClass platform using your email address and the already existing password.
- Select the LDAP Server of your Institute,
- Choose the School or Faculty you belong to from the list
- Click on the "Registration" button

If the information you have inserted is correct, the platform will ask you to confirm the specific action. Click on the "Add" button

In any case, you will receive an email message confirming your registration and clearly stating that user authentication through LDAP Service has been exploited for access to the Open eClass platform.

2.2.2 Student Registration through IMAP, POP3 Authentication

If you have a POP3 or IMAP email account, you can register through that account. Fill in the application form with the username and password you use in the database and then click on the "Registration" button.

2.2.3 Student Registration through External Database (MySQL)

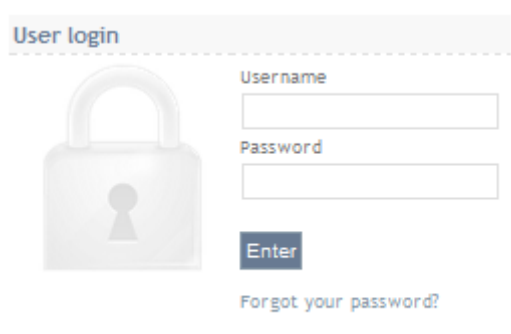
If you have an account in an external MySQL database, you can register to the platform through that account, too. Fill in the application form with the username and password you use in the database and then click on the "Registration" button.

2.2.4 Student registration through Central Authentication Service (CAS or Shibboleth)

If you have an account in a central authentication service for accessing various resources or services and platform administrator has configured Open eClass for authentication through it, then you can use it. Just click in "Authentication via CAS" (or "Authentication via Shibboleth") and you will be redirected in the login form of Central Authenticated Service. If your login is successful then you will be redirected back to the Open eClass platform logged in.

2.3 User Login

After you have registered an account with Student rights on the platform, you will have to type your username and password in the login form every time you want to enter.

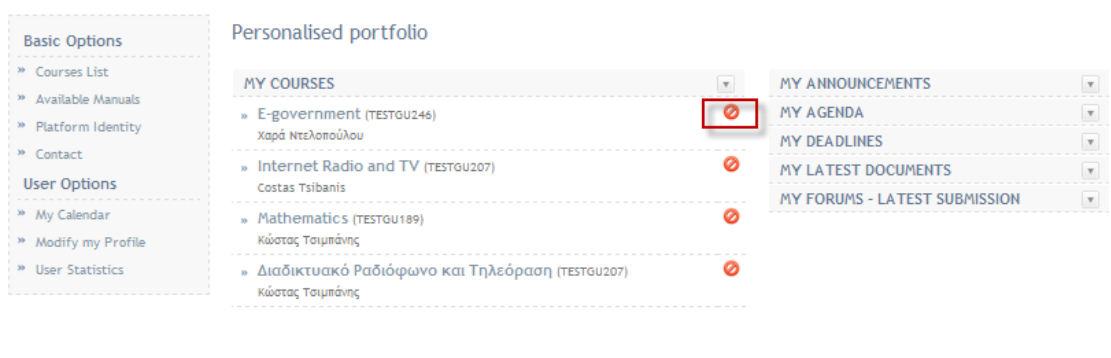
A screenshot of a user login form. On the left is a large, light gray padlock icon. To its right, the text "User login" is at the top. Below it are two input fields: "Username" and "Password". Under the "Password" field is a blue "Enter" button. At the bottom of the form is a link that says "Forgot your password?".

Pic.5.User Login

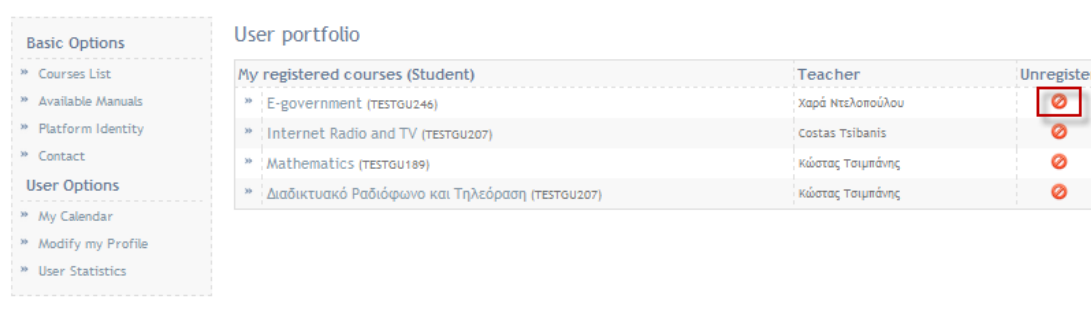
By doing that you will have a student user access in all available eCourses modules, that are analytically presented below. If you forget your password, you have to click on the "Forgot your password?" link and follow the instructions. Please notice that the instructions will be sent to your email address.

3. User Portfolio

By logging in the platform (inserting your username and password), you will enter into your personal portfolio, an area that allows you to organize and control your eCourses participation in the platform.



Pic.6. Analytic Student-User Portfolio



Pic.7. Simple Student-User Portfolio

On the left menu, you are provided a series of choices concerning eCourse registration, editing your personal profile, your personal eCourse calendar, personal statistics etc, which will be presented below.

On the right column there is a list of attended eCourses. In the courses you attend as a student, there is an “unregister” choice in the course, so that you can delete it from the list. If you click on the title of the course you enter it with the rights of a student-user. Finally, in the analytic student portfolio view you are provided with information concerning your eCourses, your assignments deadlines, your latest documents, your eCourses latest announcements and the latest submission in your eCourses discussion forums.

3.1 Modify your profile

Choose “modify your Profile” from the left column of the user portfolio, and change your personal information, like name, surname, email address, default language and view

(simple, analytic), or you can insert your personal photo. Type the new information in the corresponding fields and click on "Modify".

At the same time, you can change your password or you can view your last ten visits to the platform, at the bottom of the screen, below your personal information.

Pic.8. Change of profile

Note for LDAP, IMAP, POP3 users: LDAP, IMAP, POP3 users cannot make any changes to their profile. They can change only the portfolio's default language, their personal photo and portfolio's view.

3.1.1 Deleting an Account

You can also delete your account from the platform if you choose the "Delete Account" link. However, you first need to unregister from all the eCourses you have been attending and then click on the "Delete Account" link on top of the screen. You will be asked to confirm this before your account has been deleted.

3.1.2 Changing Password

Lastly, you are also given the opportunity to change your password in order to access the platform. You need to type the old and the new password and then click on the “Modify” button.

Pic.9. Changing Password

3.2 Course registration

If you click on “Course List” on the left column in your personal portfolio, you will be transferred to the platform’s eCourses list, from which you can select the eCourses you want to register in your personal portfolio.

The course list that appears includes the courses available, grouped by the Faculty they belong to. First, select the Faculty and then choose the courses you wish to attend by marking (✓) the checkbox next to their title. After having made your choices, click the “Change Submission” button to complete your eCourses list.

Your personal Portfolio will now include all the selected courses in the “Attended Courses” list. Click on any course title you want, to enter the eCourse area with student’s rights.

Faculty: Δοκιμαστικό 1		Undergraduate Other	
Undergraduate		beginning	
Registration	Code	Teacher	Type
☐	Back to basics (TESTGU248)	GUNet Καθηγητής	
☐	dokimi (TESTGU241)	Χαρά Ντελοπούλου	
☐	E-commerce (TESTGU247)	Χαρά Ντελοπούλου	
☒	Mathematics (TESTGU189)	Κώστας Τσιμπάνης	
☐	Βασικές δεξιότητες στη χρήση Η/Υ (TESTGU251)	Κώστας Τσιμπάνης	
☐	Γνωριμία με το Διαδίκτυο (TESTGU242)	Κώστας Τσιμπάνης	
☐	Κινητά δίκτυα επικοινωνιών (TESTGU256)	Ματίτσος Ευάγγελος	
☐	Πληροφορική Β Γυμνασίου (TESTGU253)	Κώστας Τσιμπάνης	
Other		beginning	
Registration	Code	Teacher	Type
☒	E-government (TESTGU246)	Χαρά Ντελοπούλου	
☒	Internet Radio and TV (TESTGU207)	Costas Tsibanis	
☒	Διαδίκτυακo Ραδιόφωνο και Τηλεόραση (TESTGU207)	Κώστας Τσιμπάνης	
Registration			

Pic.10. Course list

3.3 My Calendar

If you click on “My Calendar” on the left menu of your personal portfolio, you can see a calendar of events that have been included in all the course agendas you have registered for. In that way, you can better organize your (weekly/monthly) programme in the platform.

My Calendar

June 2011						
Monday	Tuesday	Wednesday	Thu	Friday	Saturday	Sunday
		1	2	3	4	5
6	7 (15:10) TESTGU189 3η Διάλεξη	8	9	10	11	12
13	14 (15:00) TESTGU207 Start delivery - first lecture - (K.Tsibanis) (19:00) TESTGU207 Έναρξη παραδόσεων - 1η Διάλεξη (K.Tsibanis) (14:00) TESTGU207 Συνέχεια 1ης Διάλεξης (17:00) TESTGU189 Συνέχεια 3ης Διάλεξης	15 (09:33) TESTGU207 Deadline for submission preferences for presentations (09:33) TESTGU207 Ημερομηνία υποβολής προτιμήσεων για παραδόσεις παρουσιάσεων (17:00) TESTGU189 Συνέχεια 3ης Διάλεξης	16 (12:12) TESTGU189 δοκιμίες	17	18	19
20	21	22	23	24	25	26
27	28	29 (Today)	30			

Pic.11. My Calendar

3.4 Personal portfolio analytic view

If you choose analytic view in your personal portfolio settings you are provided with information concerning your eCourses, your assignments deadlines, your latest documents, your eCourses latest announcements and the latest submission in your eCourses discussion forums. So, you are informed for all the eCourses that you attend without needing to check each eCourse separately for updates.

Personalised portfolio

MY COURSES » E-government (TESTGU246) Χαρά Ντελοπούλου » Internet Radio and TV (TESTGU207) Costas Tsibanis » Mathematics (TESTGU189) Κώστας Τσιμπάνης » Διαδικτυακό Ραδιόφωνο και Τηλεόραση (TESTGU207) Κώστας Τσιμπάνης	MY ANNOUNCEMENTS » MY AGENDA » MY DEADLINES - Internet Radio and TV » Create On-Line Radio Deadline of Submission: 2011-08-31 NOT submitted » Δημιουργία On-Line ραδιοφώνου Deadline of Submission: 2011-08-31 NOT submitted
MY LATEST DOCUMENTS	MY FORUMS - LATEST SUBMISSION

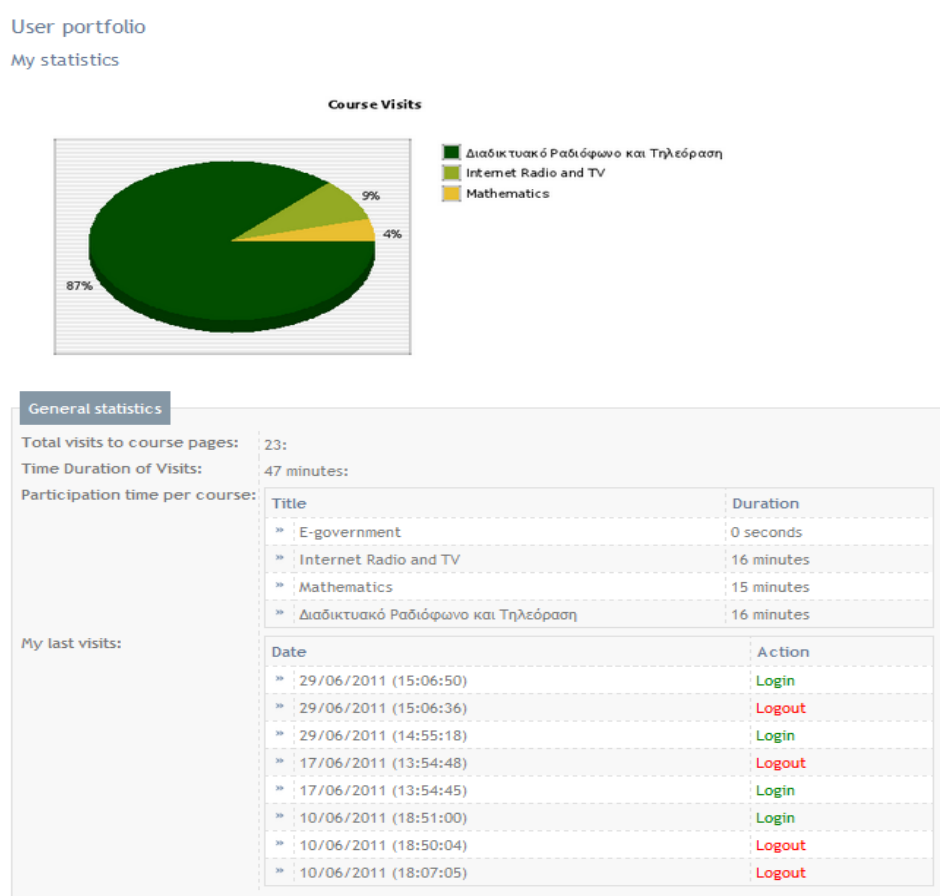
Pic.12. Analytic Student-User Portfolio

3.5 Search

If you click on the "Advanced Search" button at the top, you can search on the platform courses based on the title of the course, any keywords, the course units, the teacher or the course code. It should be noted that only courses in which you are allowed access ("open courses" or "registration open courses") will be included in the search. What is more, you can do a simple search by typing the text you like and click on "OK". Note that you can also search from the course homepage. In this case, the search will be done only through the specific eCourse educational material.

3.6 User statistics

If you click on "User Statistics", you can access statistic information concerning your account. Specifically, you can see the number of visits in the platform, as well as a diagram concerning your preferences on courses. At the same time it is presented the duration of your participation in the courses. Also, there is a board of the latest platform visits (date and time).



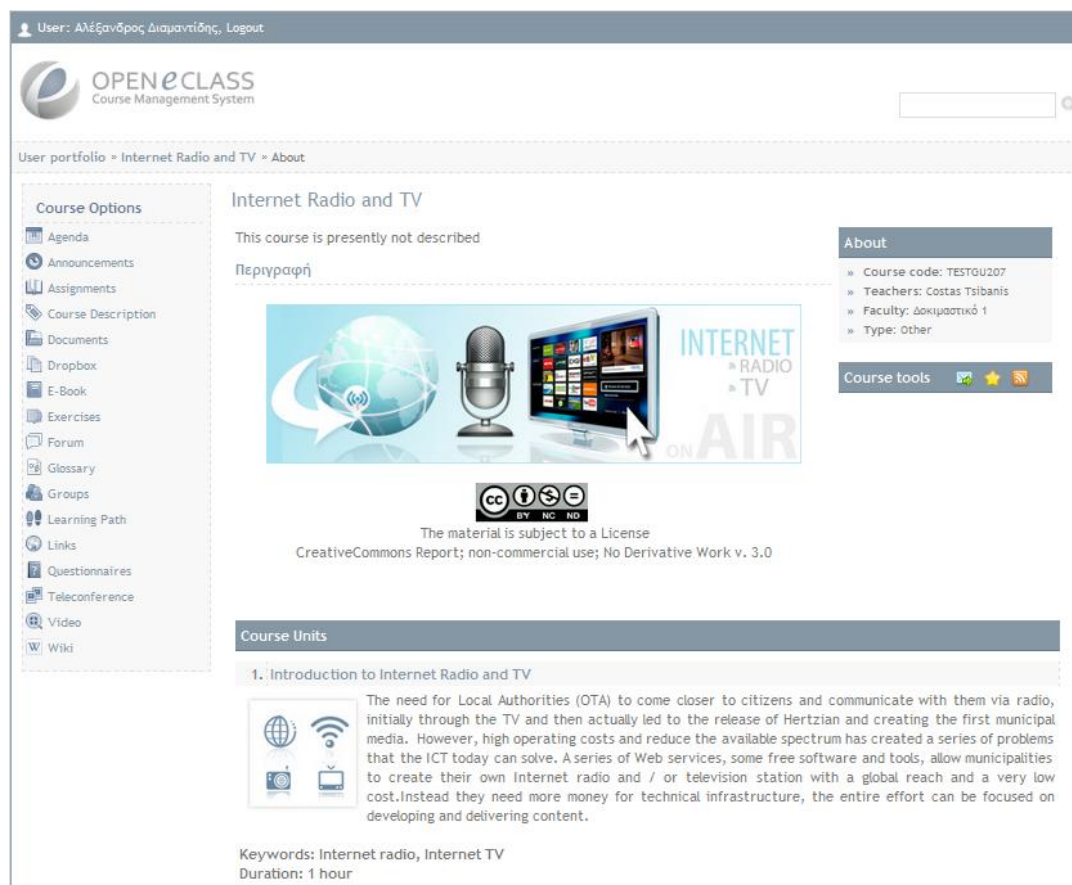
Pic.13 Personal usage statistics

3.7 Exit

Finally, you can sign out of the Open eClass platform, by clicking on “Exit” on the left side, at the top of the screen. In that way, you inform the platform about the end of your session and avoid the inconvenience of someone else using the platform with your account (username or password). This action is especially important for the safety of your eCourses when using public computers.

4. Platform's eCourses

The eCourse is the core part of the Open eClass platform. Each course is an autonomous entity in the platform, which integrates a series of learning tools (modules). The eCourse is, in fact, a modular structure, which is organized and maintained by the teacher in charge. More specifically, the student eCourse home screen has the following view.

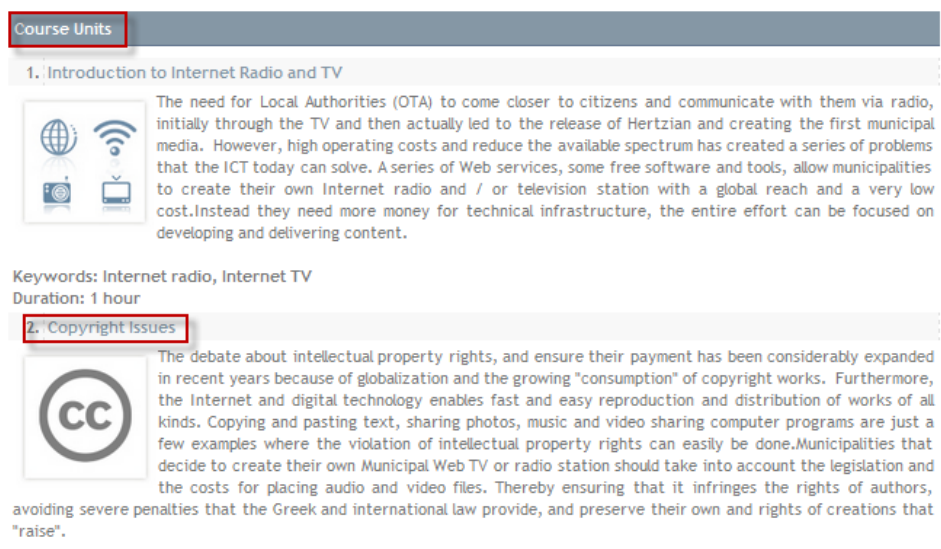


Pic.14. eCourse homepage – student view

On the eCourse home screen, there is a short description, in which basic information (title, code, responsible teacher, department etc) are reposted. Also, there is toolbar with an "insert course URL as a bookmark" tool, a hyperlink to course RSS feed and an "email" hyperlink, which allows registered student-users, who have defined their email address in their profile, to communicate with the course teacher via email. On the left, there is a menu with all the active eLearning tools (modules) provided for the eCourse by the teacher in charge.

4.1 Course Units

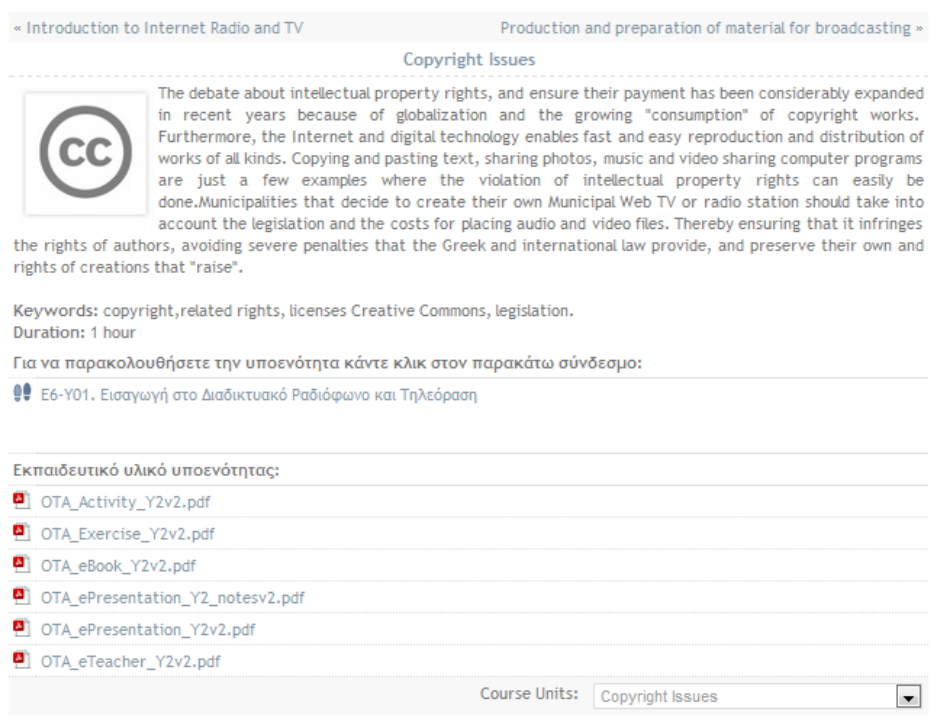
Course units offer a flexible way to organize educational material that is stored in the course learning modules in an articulate structure.



Pic.15. Course Units topics on the course home (student view)

More specifically, teachers can organize their courses structure based on the existing educational material in a way that follows the real life educational process. Course unit contents are accessible through the course homepage by clicking on its title.

The student can click on the name of the module that wishes to enter the contents. The picture bellow shows the contents of the module we chose.



Pic.16 Educational Material on Course Units (student view)

4.2 Course Description

Course description is a module providing useful information about the course syllabus, like course short description, course ID, goals and educational material, evaluation and testing, supportive educational material and activities and any other information the teacher values as being important.

Course Description

Περιεχόμενο Μαθήματος



The need for users to communicate via radio, initially through the TV and then actually led to the release of Hertzian and creating the first media. However, high operating costs and reduce the available spectrum has created a series of problems that the ICT σήμερα μπορούν να επιλύσουν. today can solve. A series of Web services, some free, software tools, enabling users to create their own Internet radio and / or television station with a global reach and a very low cost. Instead they need more money for technical infrastructure, the entire effort can be focused on developing and delivering content. In the course also made a brief presentation on the preparation in terms of production needed for equipment and filming. We will approach the radio and television more than technically. It also describes the potential use of tools as Winamp and SHOUTcast basic tools to implement web radiofonou. Episis describes the potential uses of the server Icecast, tools and Winamp NSV as a key tool for implementing Internet radio and TV as well as the related technologies The Mobile TV. The course takes place every Wednesday (17:00 to 20:00) in Hall G of the Department of Informatics and Telecommunications of the instructors:

Pic.17. Course Description

4.3 Agenda

The Agenda module informs you about the most important events of the course in a chronological order (conferences, meetings, evaluations, etc). You have the choice of altering the presentation order of events (recent-older), by clicking on the "Reverse presentation order" that is on top action bar.

Furthermore, the events presented in the agenda may include hyperlinks which can be clicked to transfer you to the associated content.

Agenda

Events

Calendar June 2011

Tuesday June 14, 2011 (hour: 15:00)

Start delivery - first lecture (K. Tsibanis) (Duration: 1 hour)
Introduction to Internet radio and TV. Presentation of concepts: Internet radio, Internet TV, Internet Radio, Web Radio, Internet TV, Web TV.

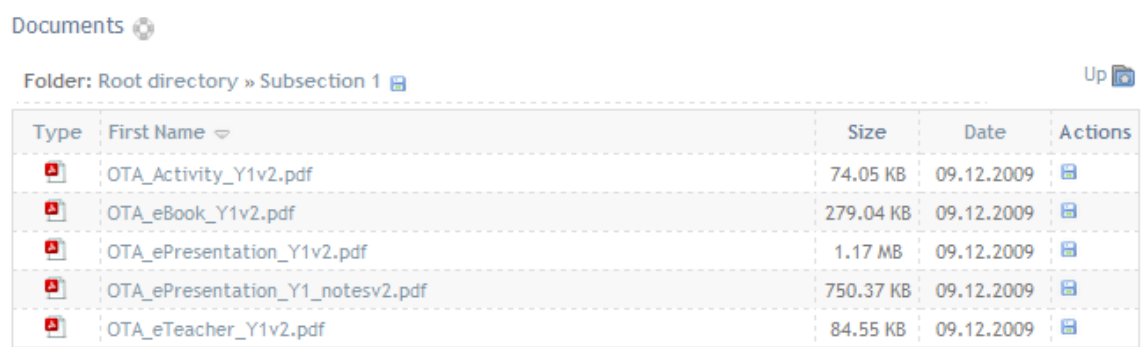
Tuesday June 14, 2011 (hour: 16:00)

2nd lecture (T. Raptis) (Duration: 2 hours)
Presentation of the production and preparation of material for broadcast. Demonstration of software tools for creating an Internet radio broadcast. Presentation of concepts: camera, digital camera, microphones, lighting, video, audio, video sharing service, Winamp, Icecast, EDcast, SIOUTcast.

Pic.18. Agenda

4.4 Documents

The module "Documents" is the area where the educational material of the course is stored, organized and presented. More specifically, this module provides a useful file organization and grouping mechanism for educational material (texts, presentations, pictures, diagrams, etc) through a folder, sub-folder system. This tool works as a common file manager tool, allowing the responsible teacher to organize all the available course documents in folders.

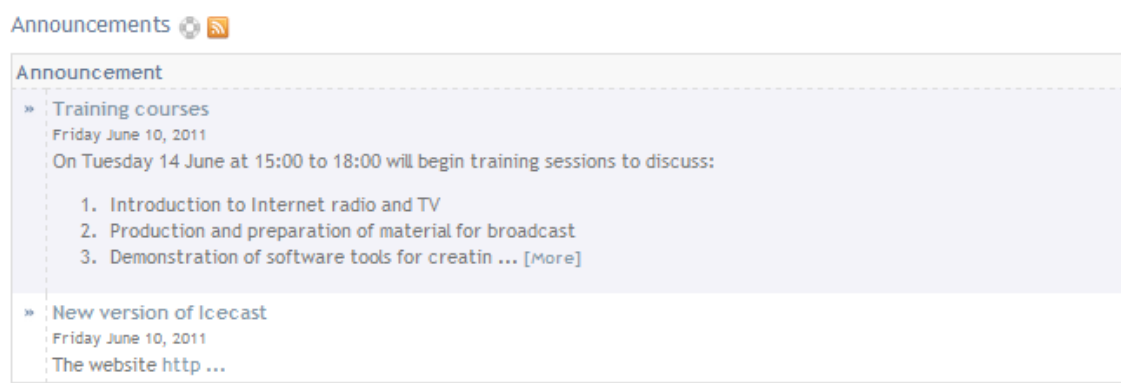


Pic.19. Documents Module

In order to open a course document file click on the file title and then click on "Open". If you want to download and save a course document file to your local pc click on the file title and then click on "Save", and type the folder you want to store it in. Transfer will start immediately. An explanatory text (comment) may follow below the file name, so that you can determine its content without opening it before.

4.5 Announcements

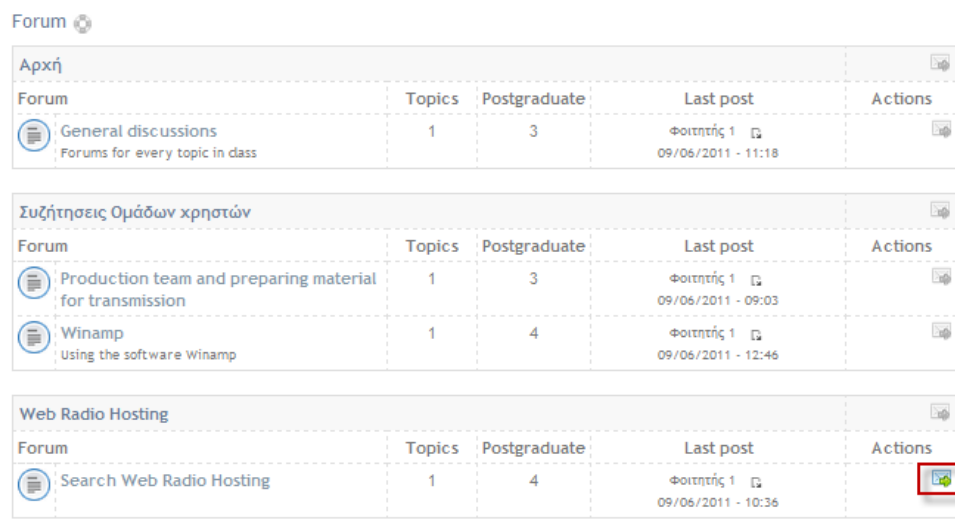
The Announcements module allows registered users' enlightenment on specific course issues. At the same time, it allows course teachers to send announcements to registered students, who have defined their email address in their profile, via email. ("Modify your Profile" in user's portfolio).



Pic.20. Announcements

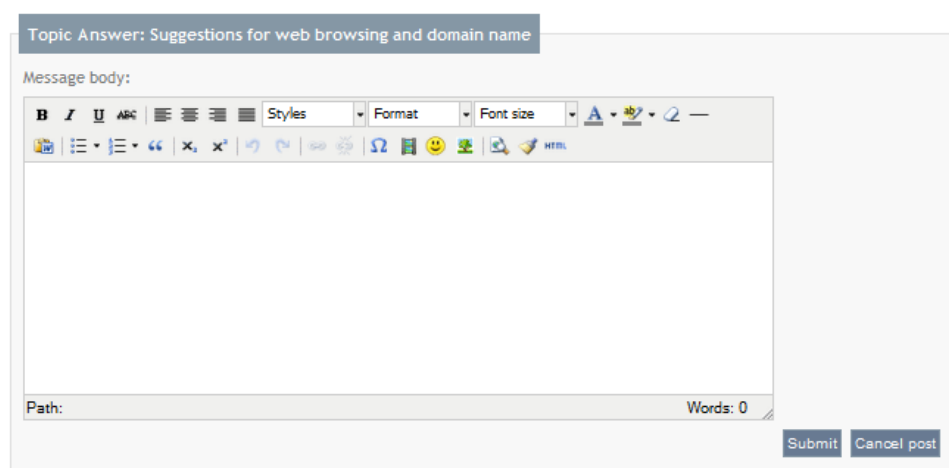
4.6 Forum

The eCourse discussion forum is a teacher - student interaction module. The platform offers the opportunity to create forums, allowing participation to all registered in the course users (students and teachers).



Pic.21. Forums

Furthermore, you can see the last insert in every forum subject, the number of forum subjects and the number of messages. Clicking on a topic you can participate in the units it includes. More specifically, you can watch all topics discussed, the topic sender, the date the message was posted, the answers sent for the specific topic, and the number of times it has been read, as well as the date and time when the last answer was sent.

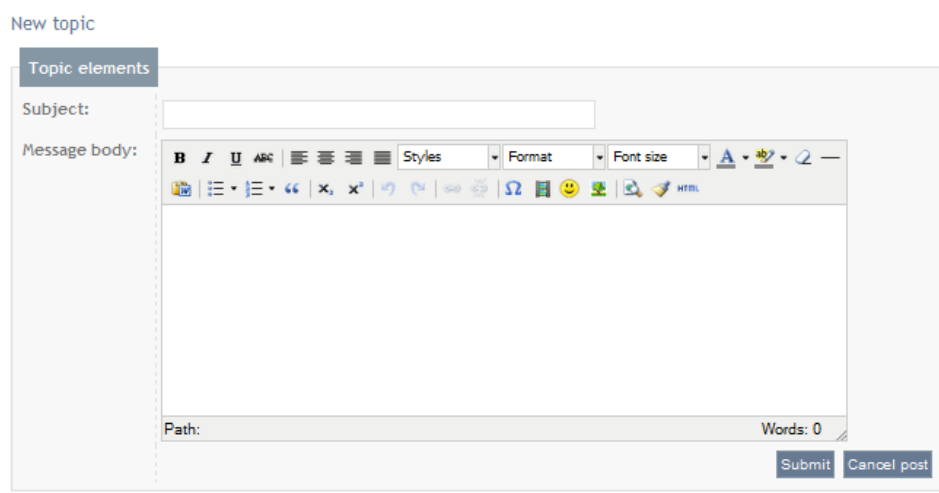


Pic.22. Answer to a forum

If you want to read messages in a topic, click on the topic title and you will see its contents. Messages are read downwards and at this stage you have some choices to make. In order to send an answer click on the "Answer" link and type your message in

the textbox and then click "Submit" to send your message or click on "Cancel" if you do not want to send it.

If you want to start a new conversation, click on "New Topic". Type the topic of the conversation and the message in the corresponding textboxes. In case of a mistake you will view an error message. Sometimes, it is necessary to use the "Go Back" button of the browser so as to make the error message disappear.

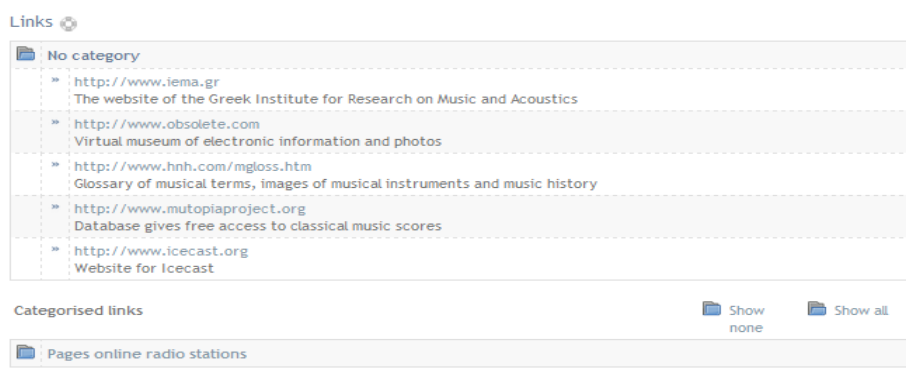


Pic.23. Submission of a new topic

If the course teacher has added you in a group (see Groups), it is possible that there will be a folder with group discussion forums. These forums are usually closed to group members depending on the teacher's decision. "My group" will appear next to your group forum. If groups are closed, you can click on the groups you belong to only.

4.7 Links

The Links module gives you the opportunity to add useful Internet resources and categorize them at the same time. They have been organized by the course teacher and each one of them has a title and a description with further information.



Pic.24. Useful Links

The links chosen by the teacher may be grouped. You can choose "Show" if you want the links of a group to appear on screen and "Hide" if you do not want them to appear.

4.8 Course Assignments

The Course Assignments module is a very useful tool since it allows the electronic admission, submission and evaluation of course assignments. More specifically, it allows registered student users to upload electronically their assignments in the platform until the submission date and then see their grade, after the teacher has graded them.

If you click on "Course Assignments", you can see the assignments placed on the platform by the course teacher, the deadline for submission, and the grades, if the assignments are evaluated by the teacher.

Assignments

Title	Deadline	Submitted	Grade
» Create On-Line Radio	2011-08-31 (in 63 days)		

Assignment view

Assignment info

Title: Create On-Line Radio

Description:



In this work, you are asked to create your own on-line radio using Shoutcast. To SHOUTcast is a server software (streaming) for streaming media developed by Nullsoft. By simply allowing the flow of audio data primarily in MP3 or HE-AAC format, enabling hobbyists and professionals to create web radio. On the server (server) of SHOUTcast, you can create your own online radio, for example: a program to record your voice and save it as mp3, after some songs. You can also specify a message. (This message will be recorded in advance and stored as mp3), or write a message after each song, so you'll have a real online radio station!). Since you asked:

1. To create a doc file which describes the actions akolouthisate for creating the On-Line radio and some screen shots
2. One wmv file that show real-time operation of the radio station created
3. Within zip file that contains all of the above files

Good luck!

Start date: 2011-06-08

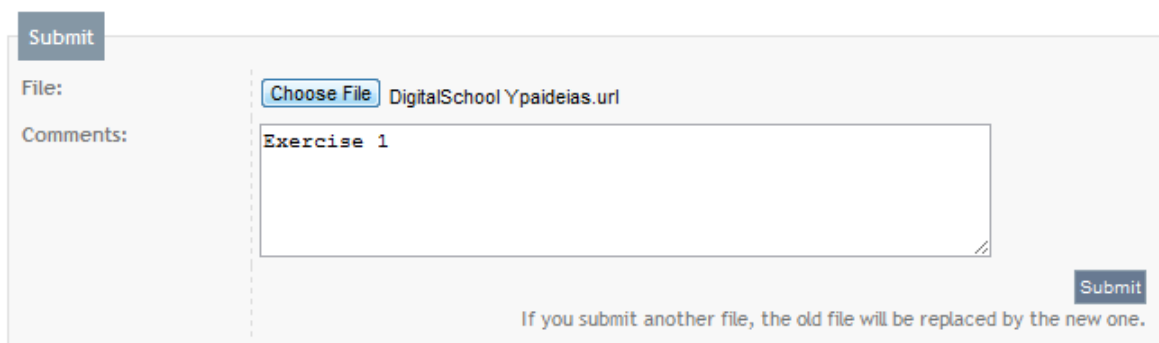
Deadline: 2011-08-31
(left 63 days)

Assignment type: Individual submissions

Pic.25. Course Assignments

If you click on the assignment title, you will be able to see more information about the assignment, like the title and description of the assignment, the starting date and the

assignment submission deadline, the type of assignment, individual or group one. You can upload your assignment from your pc to the platform.



Pic.26 .Assignment upload

- Click on "Browse", navigate yourselves in your local driver and select the file you want to upload
- You can type a description of your assignment as well
- Click on the "Send Assignment" link

The uploading process starts and you will soon be able to see your assignment document in the assignment submitted list. Notice that you cannot delete documents you have already uploaded, but you can upload revised versions of your assignments, so as to replace the previous ones, until the deadline, you are otherwise denied the opportunity to submit your assignment.

4.9 User Groups

Another course module that allows cooperation and interaction among the students is the User groups. A group of users is a group of course registered students who share the same forum and the same file and assignment uploading area. If the course teacher has set a number of user groups, you can click on their group's name to see:

Groups 

Group name	Group Tutor	Registration	Registered	Max.
» Production team and preparing material for transmission	-	Registration	4	20
» Group creation broadcast (Shouthcast-Winamp)	-	Registration	2	20

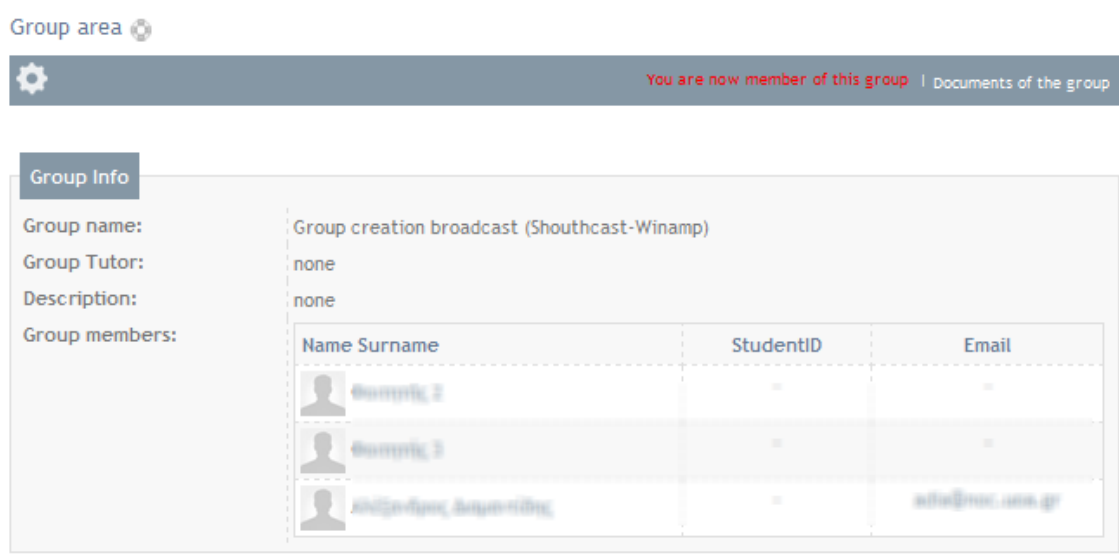
Pic.27. User Groups

- The groups of users organized by the teacher
- The number of registered users in each group

- The maximum number of users possible to be registered in that team
- If you belong to a group, there is a “my group” sign next to the group title

If there is a “Registration” option next to the group names, these groups are not full and you can register. If you have registered to a group which is not full of members, in order to participate:

- Click on the “Registration” option next to the group name you want to participate in
- Then, click on “Add me to the Group”



Pic.28. User add to group

Since you are a member of a group, you are provided a common document area so as to share files with other members of the group, as well as a group forum. The group forum offers you the opportunity to communicate with all the group members. The document area allows you to upload, rename, delete and remove files, create folders and sub-folders so as to organise your documents in a better way.

Group Assignment

If you want to submit a group assignment you have to upload your group's assignment file to the common group document area and then click on “Publish” and fill in all the form fields very carefully. Any member of the group can submit a group assignment file. Alternatively any member of the group can upload a group assignment through a submission form in the Course Assignments module.

Group work submission

Below appear the assignments available in this course. Please select an assignment to which to submit the file as group work, and add any comments you would like. Please note that if you submit a new file when a file has been already been submitted by you or a member of your team, the old file will be deleted and replaced by the new. Furthermore, no new submissions are allowed when the assignment has been graded.

Assignments (Selection):	Title	Deadline	Submitted	Selection
	» Create On-Line Radio	2011-08-31 (in 63 days)	No	-

Comments:

Our group exercise1...

Submit

Pic.29. Group assignment

4.10 Exercises

This module provides self-evaluation exercises for students, which have been created by the course teacher. Its basic aim is students' training on course material. Some exercises may have a time limit or maximum number of attempts (teacher's choice).

Exercises

Exercise Name	Start	End	Time constrain	Attempts allowed
» Production and preparation of material for broadcasting	2011-06-10	2012-06-10	-	-

Pic.30. Tasks

More specifically, if you want to take a self-evaluation exercise, choose the one you want by clicking on its name. Questions appear automatically (multiple choices, gap filling, column matching, true – false), based on the course teacher's choices.

In case of multiple choices or true-false, you choose the answer you regard correct by clicking on the selection box next to it. In case of gap-filling, you type the answer you regard correct in the blank and in case of column matching questions you choose the correct answers from the lists of options. After answering the questions, click on "Submit" and wait for the results page.

Your answers and total score appear on the results page. You can return to the course contents through the navigation bar on top of the page. It should be noted that you can solve a self-evaluation exercise as many times as you wish, since the course teacher is not informed about your results.

Exercise Results

Production and preparation of material for broadcasting

Question: 1

You can use a digital camera when shooting:

Choice	Expected Choice	Answer	Comment
☐	☐	You do not have adequate lighting	
☐	☒	Want an affordable and easily transportable solution	
☒	☐	Do not have a tripod	
☐	☐	You want high quality picture and sound	

Question Score: 0/0.00

Question: 2

To get high quality audio:

Choice	Expected Choice	Answer	Comment
☐	☐	We can isolate sounds when processing	
☒	☐	Just the built-in microphone	
☐	☒	We can connect an external microphone	
☐	☐	It is important to have good sound quality when the image is good	

Question Score: 0/0.00

Pic.31. Exercise results page

4.11 Video

It is a module presenting multimedia educational material. There are two choices, video file or link to video that is stored in a VOD (Video on Demand) Server. These two choices are transparent for the students. Every video has a title and a short description.

Video

Folder Video

- » How to Host your own radio station using Icecast
- » How to make your own Internet Radio
- » Icecast Setup tutorial II

Pic.32. Video

So, if you want to access the multimedia educational material that the course teacher has added in the eCourse video module, you have to click on the title of the video you want to watch, and the system opens it with the associated video player (ex. Media player, QuickTime, Real player, jwplayer, etc).

4.12 Dropbox Module

The Dropbox module is a collaboration tool used by teachers and students to exchange course files. You can send and receive any type of text files, pictures or presentations. In order to send a file, click on "Upload File". In the file upload form that appears first select the file you want to send from your computer using "Browse" and type a short description. Then, select the file receiver from the course teachers list (or student list, depends on the administrator's policy) and click on "Send". If you want to send the file to more than one teacher (if any), click on the teachers names holding CTRL.

Dropbox

File Upload | View available disk space

File Upload

File: No file chosen

Sender: Διαμαντίδης Αλέξανδρος

File description:

Send to:

☐ Notify users (via email)

Max file size: 50M

RECEIVED FILES

The list is empty.

SENT FILES

File	Recipient	Date	Delete
Open eClass 2.4.txt (2 kb)	Τσιμπάνης Κώστας	2011-06-29 / 15:35	

Pic.33. Dropbox - File Exchange form

The Dropbox module includes two File Exchange lists. The Inbox list includes the files you have received by the course teacher, along with some further information concerning the file (sender, description, file size and date it has been sent), and the Sent list which contains files you have sent to the teacher.

You can delete all or some of the files from the list by clicking on the delete icon. Note that, the file is not deleted from the platform's database, only from the Dropbox file list.

4.13 Questionnaires

Questionnaire is a new module providing interaction between teachers and students. Course teacher create poll questionnaires about the course in order to have feedback from the students.

If you want to participate in a questionnaire click on the questionnaire's title from the list, and all the questionnaire's questions appear so that you can answer them.

Questionnaires

Title	Creator	Creation Date	Start Date	End Date	Participation
» Web Radio	Διαχειριστής Χρήστης	2011-06-07	2011-06-07	2011-08-07	Have not participated
» Livestream	Διαχειριστής Χρήστης	2011-06-07	2011-06-07	2012-06-07	Have not participated
» Icecast	Διαχειριστής Χρήστης	2011-06-07	2011-06-07	2012-06-07	Have not participated

Pic.34. Questionnaires List

You answer the questions by selecting the corresponding answer box and then you click on the "Next" button to proceed to the next questions. When you have answered all the available questions you press the submit button.

Participation

Livestream

Which of these responses is thought not related to the condition Livestream;

☐ Create TV channel
☐ Global Reach
☐ Live
☐ Transfer of recorded images
☒ Don't know / No answer

Questionnaires

Title	Creator	Creation Date	Start Date	End Date	Participation
» Web Radio	Διαχειριστής Χρήστης	2011-06-07	2011-06-07	2011-08-07	Already participated
» Livestream	Διαχειριστής Χρήστης	2011-06-07	2011-06-07	2012-06-07	Already participated
» Icecast	Διαχειριστής Χρήστης	2011-06-07	2011-06-07	2012-06-07	Have not participated

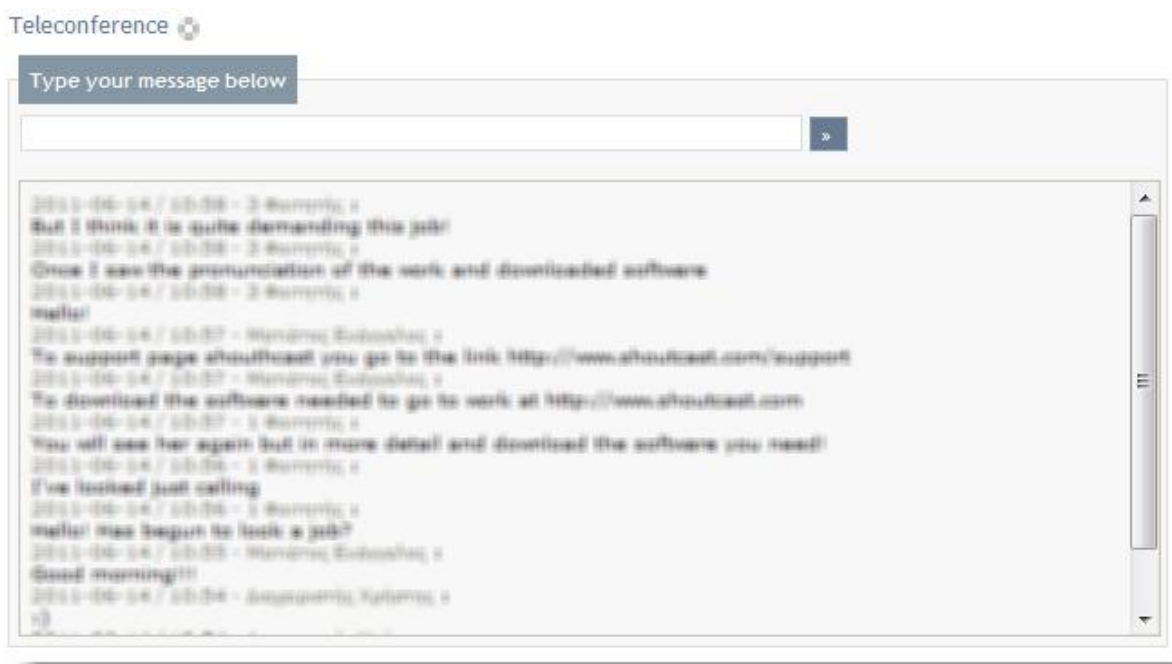
Pic.35. Participation in a Course Questionnaire

You cannot participate in the same poll again. For your own help there is a "You have previously participated" sign in all the questionnaires that you have already answer.

4.14 Teleconferencing

The Teleconferencing is a message exchange module (chat). Students can type a message and click on ">>" to exchange messages with other course register users. This

module offers real time communication for course participants regardless the spatial limiting factor.



Pic.36. Teleconference - Chat

4.15 Learning Path

The **Learning Path** module incorporates into the Open eClass the SCORM prototype technology (Sharable Content Object Reference Model). SCORM is a standard for web-based Learning. It defines how the individual instruction elements are combined and sets conditions to the platform for using the content. This module offers the opportunity to the course teacher to create a sequence of steps (learning path) as learning activities, which should be followed by the students. Learning paths contain the course material (course documents, self-evaluation exercises, Internet useful links, course description etc.) or SCORM type object, as a specific learning action sequence of an eCourse.

Through this module, the student can be navigated in the available educational material and follows the steps as set by the teacher, in a specific order. Also provides platform the ability to watch learning progress, time and evaluation of the student in the several learning path steps.

Learning path consists of units (at least one). The units are independent learning objects. In the current Open eClass platform, these tools may belong to one of the following five categories:

Documents: Documents (any type of file) available in the course “Documents” area.

Exercises: Self-evaluation exercises which are available on the course “Exercises” tool.

Links: Useful links available through the course “links” tool.

Course Description: The description that is available through the “Course Description” tool (description, course content, educational activities, books, etc).

SCROM type content: These units are the result of inserting course packages that are compatible to the SCORM standard. Their contents depend on what has been included in them by the creator, which is documents, exercises, links, text and anything else that is approachable according to the SCORM definition, so that the platform can use it appropriately.

Learning Paths 

Learning Paths	Progress
» E6-Y01. Introduction to Internet Radio and TV	0%
» E6-Y02. Copyright Issues	0%
» E6-Y03. Production and preparation of material for broadcasting	0%
» E6-Y04. Creating an Internet radio broadcast with Winamp and SHOUTcast tools	0%
» E6-Y05. Creating an Internet radio broadcast tool Icecast	0%
» E6-Y13. Matters Web / Internet TV	0%
» E6-Y14. Topics IPTV	0%
» Q6-Y8. Mobile TV Themes	0%
Course progression :	0%

Pic.37 Learning Paths list

In order to start a learning path, you need to click the learning path title from the list. At first, each learning path progress and course progress will have a proportion of 0%. After all learning paths of a course have been completed; its progress will be at 100%.

E6-Y01. Introduction to Internet Radio and TV

Comments Learning Path:
Introductory text line learning.

Learning Objects	Progress
 Introduction	0%
 Copyright	0%
 Technical Issues	0%
Learning path progress:	0%

Pic. 38. Learning Path Units

Internet Radio and TV - Learning Paths - E6-Y01. Introduction to Internet Radio a...	
 OPEN eCLASS Course Management System	Progress: 0%

Pic.39. Learning Path Actions

There are some useful information and options:

- If you click on the arrows  you can move on to the next learning path unit or return to the previous one.
- If you click on the  sign, you can return to the learning paths list and not complete the learning path at that particular moment.
- If you have successfully completed the unit, there is a check next to the unit name.
- Also when a learning path unit is completed, progress can be seen on the corresponding bar, while its indication is 100% when all of them have been completed.

4.16 Wiki Module

The Wiki module is a collaboration course tool that allows registered users (teachers and students) to create and edit web page content. More specifically Wiki supports hyperlinks and has simple text syntax for creating new pages and cross links between internal pages on the fly.

Wiki 

Title	Description	Number of pages	Recent changes
» Radio and Internet TV	Introduction to Internet radio and TV	1	

Pic.40. Course Wiki list

In order to participate in a course Wiki, click on the "Wiki title" link from the course wiki list. Then click on "edit this page" and make any changes you want. To get the list of the last modified pages click on the link "Page history". Please note that you can create easily cross links between internal pages by marking the linked text and clicking the button link or by placing the marked text between square brackets (ex. the [solution] of this problem is...). The word solution is a link.

4.17 Γλωσσάρι

Glossary module displays terms and definitions for various keywords in the course. All these terms are entered to the course glossary by the teacher in charge and are presented to students in an alphabetical order.

Glossary

Term	Definition
LRS	Live Radio Streaming
LVS	Live Video Streaming
DVB-H	Digital Video Broadcasting - Handheld
IPTV	Internet Protocol Television
DBM	Digital Multimedia Broadcasting
FM	Frequency Modulation
TVI	Television Interference
URL	Universal Resource Locator. It is the address of a computer or a file on the Internet which consists of a communications protocol followed by a colon and two slashes (as http://), the identifier of the computer (as www.mvcn.com) and finally "path" of a file (like / contact.html).

Eik.41 Glossary

Also glossary supports the autolinking feature (enabled by the teacher in charge), which will highlight any word in the course which is located in the glossary. The terms definitions are displayed by hovering the mouse over the highlighted term.

4.18 EBook module

EBook is a course module presenting electronic books in HTML format accessible via a simple web browser. More specifically electronic books are inserted into the course by the teacher in charge and are presented to the students in a full screen view.

E-Book

E-Book
» Modern Literature

Eik.43 Electronic Book

Also the ebook module has embedded navigation tools (buttons, drop down lists) so that students can easily browse ebook contents.

5. Platform's Support

The **Open eClass** is distributed for free as open-source software. Each platform installation is supported by the local administrators who are responsible for the platform's operation, as well as the service of registered users' (teachers, students) requests.