How to enter the program:

The user can enter the program through the login page as shown in the image.

Main-Page Tool:

- There are 6 main-page tools:
  1. My Course tool
  2. New Event tool
  3. Event's tool
  4. Message tool
  5. Manage tool
  6. Appointment tool

As shown in the image
Now we will discuss what each of the main-page tools can do:

My Course tool: This Tool enables the teacher to display the courses that he teaches as shown in the image.
β New Event tool: This tool enables the teacher to add new events for the course E.g. he can notify students of an upcoming exam by completing the following form...

First you must choose the date of the event...
Then you select the **course** and the **course section** ...

Finally you write the **title** and the **body** of the event, and then click on **Ok**....

β Events tool: this tool enables the teacher to see the events that he posted, after you click on Event's
You will see a table that contains the date of the event, and how many events are in that date.

After you have clicked on one of those dates, you will see all the events on that date sorted on a table (this table contains the title of the event and the type of event, there are two types: course event added by you and global event added by the administrator).

If you click on one of these you will see the body of the event.

Note:

- If the event is “global” this means that the administrator who posted that event made it, so you can’t edit or delete it.
- If the event was posted by you, you can edit or delete that event.
Message tool: this tool enables teachers and students to message each other, it works very similarly to email messaging.

So when you click on **Message**.

You will see a table that contains all the messages that have been sent by the students, like the inbox in the email.
Each one of these messages, shows who sent the message, what is the title of that message, and when that message was sent?

If you click on any of these messages, you will see who sent the message and the title and the body of the message.
After you read the message you can reply by clicking on **Reply**

Also "Message tool" enables you to create a new message by clicking on **compose message**
You will see the following form, which you must complete to send the message...

**β** Manage tool: it's a very important tool; the aim of this tool is to follow-up the entrance of the students to the OCC.

First you need to select the **course**...

Then you will see a form, which enables you to track a single student or all of the students in the class “using search by”.
Search by: means that you can search by student name or student number.

If you click on a student’s name you will see all the names of the students in the class, so you can track a single student or all of the students.
But if you click on the Student Number, you need to enter the student number so you can track the student.

After you choose which way “Search by name” or “Search by number” you will see a table that contains:

**Date:** the date the student entered the OCC or the date that the student opened the note...etc

**Title:** the title of the tool.

**Tool:** Assignment tool, Quiz tool, Login, Logout ...etc

**Operation:** Login “means enter the OCC”

Logout “means exit the OCC”

**Computer:** the computer IP that the student entered from.
E.g. from the table we can see that the student Emad Natsheh has opened the assignment Hw2 on 28-06-2009 at 10:00:22 AM from 127.0.0.1

Appointment tool: this tool helps in organizing the appointments with the teachers.

To do that you need to enter your Office Hour from the following form

According to your Office Hour the student will send to you a message containing the time, date and reason of the appointment, so you can accept or reject the appointment\Message.
There are three controllers:

1. Attach File.
2. Add Tools.
3. Remove Tools

As shown in the image.

Now we will discuss what each of the controllers can do:

**Attach File:** this controller enables the teacher to upload any file to the course “doc, jpg, gif, ppt, pdf, avi, mp3...”

To upload a file: first you need to select the course & the course section.
Then you can add a **description** about the file

Finally you click on **Browse** so you can choose a file you want to upload

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**Add tool:**

- There are six course tools:
  1. Assignment tool
  2. Discussion tool
  3. Note tool
  4. Quiz tool
  5. Glossary tool
  6. SCORM tool

**Important Note:**

- When we add a tool we add it as a tree, so it gives the teacher the Capabilities to organize his work.
Assignment tool: the main of this tool is to send assignment to the student.

To add a new assignment:

1. Click on add tool.
2. Select the course.
3. Select the tool position on the course tree, on the root or on the container.

4. Click on Add Course Obj.
5. Write the title of the tool.
6. From Tools we choose Assignment.

7. Click on Add.
8. Select the course again.
9. Select the tool that you added from the course tree.
10. Click on **Goto Course Obj.**, to go to the assignment Form.
11. After we go to the assignment form.
12. We enter the **mark** of the assignment.
13. Select the **start date** of the assignment.
14. Select the **end date** of the assignment.
15. Write the **instruction** of the assignment.
16. Upload the **assignment file**.

**Note:**
- You can upload more than one file.
17. Click on **Send**.
V  Assignment Form
After we send the assignment you will see...

The table shows the student name, student number, student answer, and the uploaded file.

β Discussion tool: to add new discussion
1. Click on add tool.
2. Select the course.

3. Select the tool position on the course tree, on the root or on the container.

4. Click on Add Course Obj.
5. Write the title of the tool.
6. From Tools we choose Discussion.
7. Click on **Add**.
8. Again select the **course**.
9. Select the **tool** that we add from the course tree.

10. Click on **Goto Course Obj.** to go to the discussion Form.
11. After we go to the discussion form.
12. Write the discussion **topic**.
13. Then write the discussion **body**.
14. You can **upload files** to the discussion.
15. Finally click on **post new topic**.
Note Tool: this tool is used to send a notification to a student/s.

Note:

If the notification is send to single student, this means that the note is private, so the teacher can see if the student opened the note or not.

β to add new Note:
1. Click on add tool.
2. Select the course.

3. Select the tool position on the course tree, on the root or on the container.

4. Click on Add Course Obj.

5. Write the title of the tool.

6. From Tools we choose Note.

7. Click on Add.

8. Select the course again.

9. Select the tool that we add from the course tree.
10. Click on **Goto Course Obj.**, to go to the Note Form.
11. After we go to the Note form.
12. Choose the type of the note.

Note:

- Private Note (Single student).
- Public Note (More than one student).

a) If you choose private note then you can only select one student.

b) If you choose public note then you can choose more than one student.

13. Write the title and the body of the note.

14. Click on send.
Quiz Tool:

To add a new quiz:

1. Click on add tool.

2. Select the course.
3. Select the tool position on the **course tree**, on the root or on the container.

4. Click on **Add Course Obj**.
5. Write the **title** of the tool.
6. From Tools we choose **Quiz**.

7. Click on **Add**.
8. Select the **course** again.
9. Select the **tool** that we add from the course tree.
10. Click on **Goto Course Obj.**, to go to the Quiz page.

11. Go to the Quiz page.
12. Click on **New Question**.

13. Choose the **type** of question (there are four types: single choice, multiple choice, matching, true\false).

14. Put the **grade** of the question.

15. Write the **question**.
16. Write the **answers** of the question.
17. Click **Ok**.

E.g. single choice will be as the following
18. Then you can add a new question. After you finish click on Quiz.

19. Choose the time and the date of the quiz.

20. After you finish click on Finish.
Glossary Tool: this tool is like a dictionary for the course. It enables the teacher to add a new\difficult keyword.

To add a glossary:

1. Click on add tool.

2. Select the course.

3. Select the tool position on the course tree, on the root or on the container.

4. Click on Add Course Obj.

5. Write the title of the tool.
6. From Tools choose Glossary.

7. Click on Add.

8. Select the course again.

9. Select the tool that we add from the course tree.

10. Click on Goto Course Obj., to go to the Glossary page.

11. After we go to the Glossary page.
12. You can enter a new keyword to the glossary by writing the keyword, then the definition.
13. Then Click Ok.
Notes:

- Each course must have only one Glossary tool.
- The Glossary tool supports language English and Arabic.

To display the keywords you need to click on the orange letter.

SCORM Tool:

- This is an excellent tool.
- This tool enables a teacher to upload a SCORM course zip file built by an authoring tool, and then display the course using the OCC player.
To upload a new SCORM course:

1. Click on add tool.

2. Select the course.

3. Select the tool position on the course tree, on the root or on the container.

4. Click on Add Course Obj.
5. Write the title of the tool.
6. From Tools we choose SCORM.
7. Click on Add.
8. Select the course again.
9. Select the tool that we add from the course tree.

10. Click on Goto Course Obj., to go to the SCORM form.
11. After we go to the SCORM form.
12. Write the name of the course.
13. Write a summary of the course.
14. Choose if you want to show the course tree or not.
15. Upload the zip file SCORM course.
16. Click on save and return to the course.
V SCORM Form

To display the SCORM courses:
1. Click on My Course.
2. Click on the course.

3. Click on Course Content.

4. Click on SCORM Course.
V OR through the course tree.

Both ways will display this page.

V If you click on any of these courses the OCC will open the OCC Player so you can browse the content of the course.
The process of transforming an unspecialized cell into a specialized cell is known as cell differentiation. In addition to differentiating, cells migrate to new locations during development and form selective adhesions with other cells to produce multicellular structures.

Differentiated cells with similar properties aggregate to form tissues (nerve tissue, muscle tissue, and so on), which combine with other types of tissues to form organs (the heart, lungs, kidneys, and so on), which are linked together to form organ systems.

The cells are classified according to the broad types of function they perform, into four categories:

1. muscle cells
2. nerve cells
3. epithelial cells
4. connective tissue cells.

In each of these functional categories, there are several cell types that perform variations of the specialized function. For example, there are three types of muscle cells: skeletal, cardiac, and smooth which differ from each other in shape, in the mechanisms controlling their contractile activity, and in their location in the various organs of the body.
5 The Content Of the OCC Player

1. Course Content.

![Course Content]

2. The view page.

It is the building block of organism or it is the simplest structural units into which a complex multicellular organism can be divided and still retain the functions characteristic of life.

Each human organism begins as a single cell, a fertilized egg, which divides to create two cells, each of which divides in turn, resulting in four cells, and so on. If cell multiplication were the only event occurring, the end result would be a spherical mass of identical cells. During development, however, each cell becomes specialized for the performance of a particular function, such as producing force and movement (muscle cells) or generating electric signals (nerve cells).

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3. Next \Previous button: to go to the next or previous page.

4. Course Exit: to exit the course.

5. Update: to edit the course information (title, summary, show the course tree or not).

There are two ways to display the course tool:

1. Direct link: after you click on the course E.g. C++.
You will go to a page that contains the course tool of the C++.

- If you click on assignment tool you will see all the assignments added by you.
-If you click on discussion tool you will see all the discussions added by you.

-If you click on Note tool you will see all the notes added by you.
- If you click on Quiz tool you will see all the quizzes added by you.

- If you click on Glossary tool you will see.

2. Course tree:
   ○ The second way is by a tree.
   ○ This way is more organized than the first one.
   ○ You can organize your work in folder and substitute folder.
   ○ E.g. You can create a folder called Homework and then put all the assignment on it.
How to display the attached files:

There are two ways:

1. From the direct link way
   a) First click on the course E.g. C++
b) Then click on **Course Content**.

![Course Content](image1)


c) Then click on **Course Files**.

![Course Files](image2)

2. The other way from the tree:
   - Just click on **Files Attach**.

![Course Tree](image3)
Both ways will display this page:

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Calendar tool:
- This is a good tool, its available for the user all the time.
- It is another way to display the event added by the teacher, as shown in the image.
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