

## LODE 4 Android

### SECTION 1 – Basics

#### 1.1 Introduction

LODE 4 Android is a client for online streaming of lectures which have been recorded using the LODE System (for information on the LODE system, visit <http://latemar.science.unitn.it/segue/index.php?&site=LODE&section=36&action=site>).

Moreover, the application allows downloading of full length lectures for watching at a later time without the need for an internet connection.

LODE 4 Android goes beyond just an online streamer. Currently, its features include:

- predefined bookmarks for skipping to specific points of the lecture
- Slides synchronised with topics in the lecture
- ability to create custom bookmarks

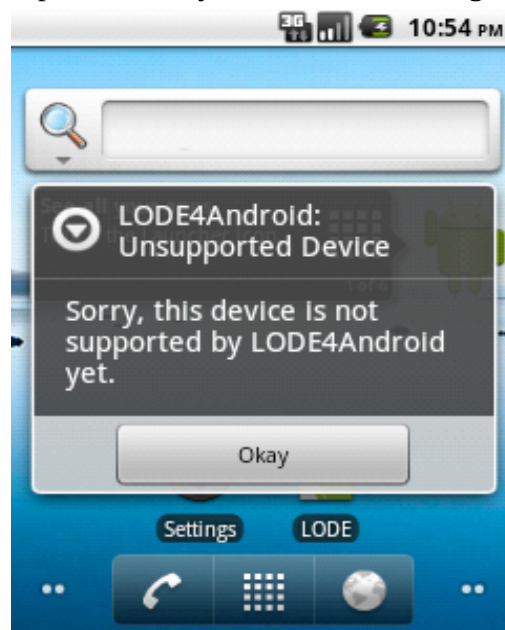
Currently, access is limited to lectures that have been recorded using the LODE system and that are stored on UNITN servers. As it is work-in-progress, the aim is to extend access to lectures that are stored on other servers and possibly to provide access to the iTunes U portal.

#### 1.2 Device Compatibility

Because the majority of android devices range from medium to high density and due to a significant reduction in quality of user experience on low density devices, the application is restricted to devices with medium density and beyond.

##### 1.2.1 How do I find out my the screen density of my device?

It's simple. Just install and start Lode 4 Android. If it starts, then all is well. Otherwise the application will tell you that it is not compatible with your device and will gracefully close.



### 1.3 Installation Procedures

Because Lode 4 Android is still under development, it is not available through Google Play, yet. For now, it can be downloaded at the link which will be provided by Prof. Ronchetti.

Before installing the application, you will have to enable installation of non-market applications. To do so, go to Settings → Application and enable the option *Unknown Sources*.

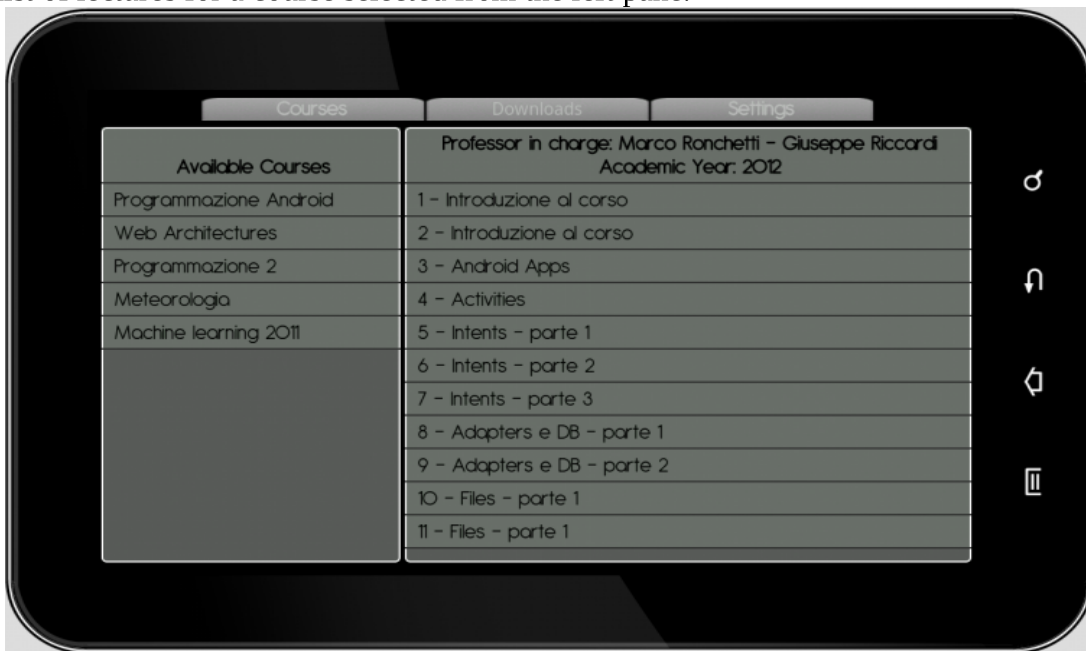
## SECTION 2 – FEATURES

### 2.1 Application Home

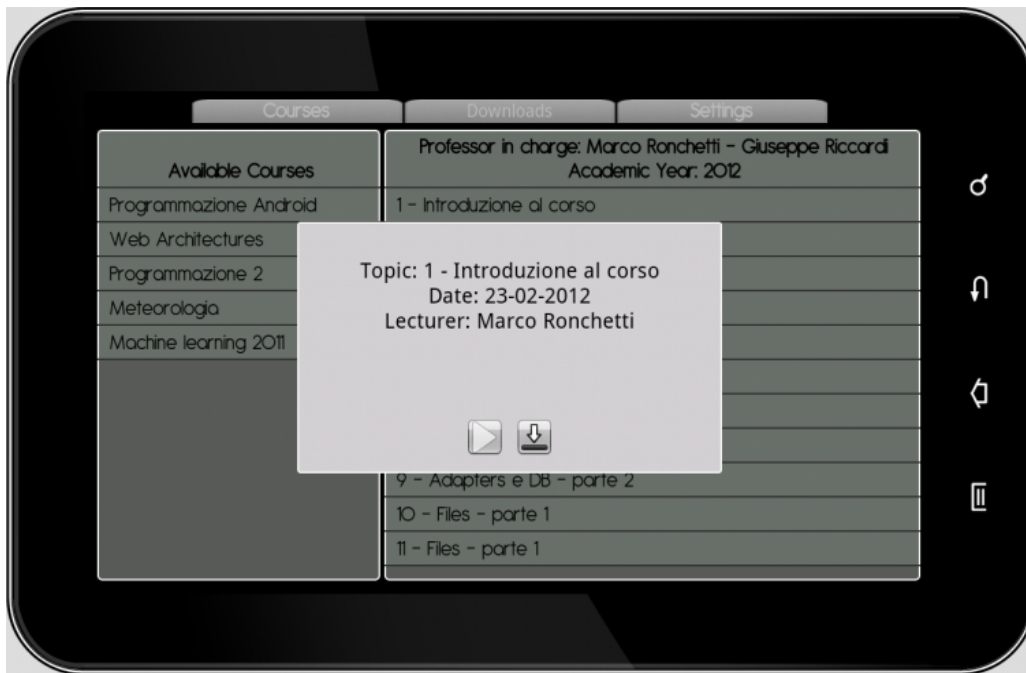
The home view of the application, which is shown when the application starts, has three tabs.

#### 2.1.1 Courses Tab

The Courses tab has two sections; The left pane shows a list of available courses, and the right section shows a list of lectures for a course selected from the left pane.



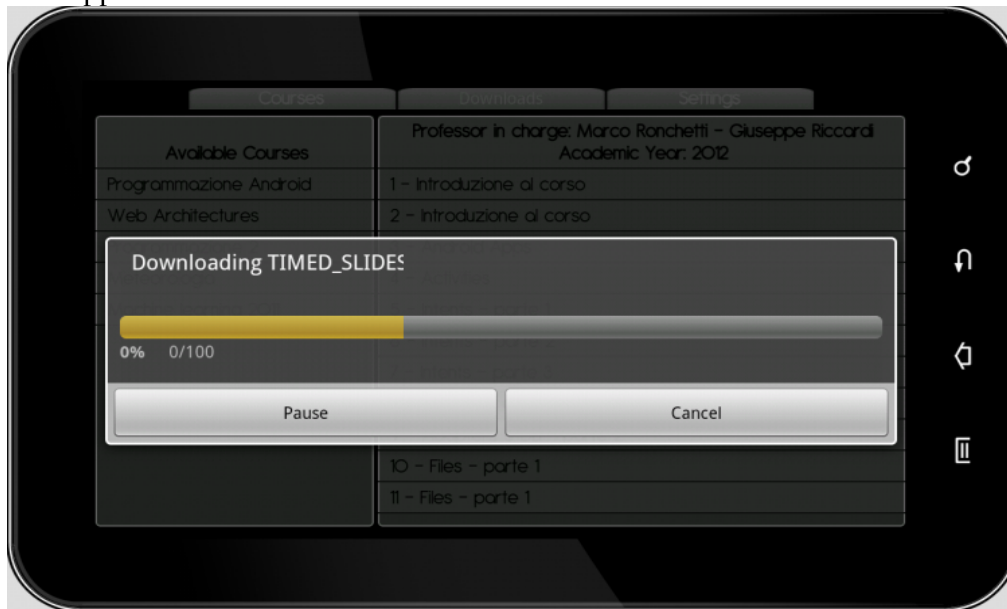
When a lecture is clicked on, a menu shows up with information on the lecture and options for watching and downloading the lecture.



### 2.1.1.1 Downloading a Lecture

When the download button is clicked, a download will start. The download can be paused, unless downloading of the video has already started, or cancelled.

To resume a paused download, just download the lecture again, all files that have been downloaded already will be skipped and download will resume from the first file which has not been downloaded.



### 2.1.1.2 Watching a Lecture

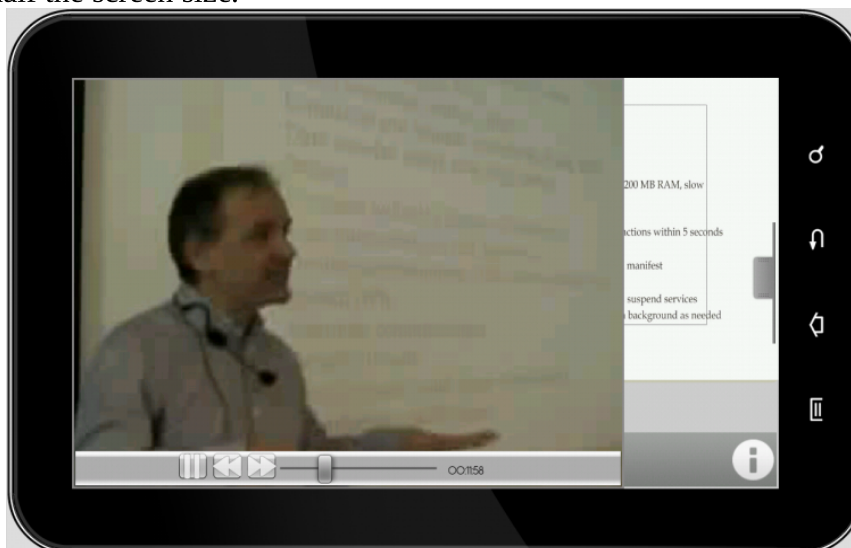
When the watch button on the lecture options menu is clicked, a window for watching the lecture will come into view.



## Components of the Lecture Watching Window

### Video

The video can be enlarged to more than half the screen size and reverted back to its normal size, which is less than half the screen size.



To enlarge the video, long press anywhere on it.

To revert to the original size, long press on it.


### Slides

The slide box can be docked to the right of the video (default state) or docked on top of the video, taking more than half of the screen. Alternatively, the slide box can be undocked to enable pinch and zoom features.

To dock/undock the slide box, click on the padlock on the bottom bar. The padlock will be in a locked

state when the slide box is docked, and in an unlocked state when the slide is undocked.

To make a slide take up the whole screen, press  and it will be fixed at full screen size.

To go back to pinch-zoom mode, press 

When in pinch zoom mode, if you want to dock the slide to its previous position, long press then release it.


To enlarge the slide, long-press anywhere on it.

To revert to original size, long-press anywhere on it.

### *The Drawer*

Lectures have pre-defined bookmarks which can be accessed via the sliding drawer. After opening the drawer, scroll up and down to find a bookmark you are interested in and click on it. The video will skip to the particular topic and the slide box will update accordingly.

### *Bookmarks*

You also have the option of adding your own bookmarks. Press  to access custom bookmarks. To create a new bookmark at the current lecture position, click on *Add Bookmark*.

### *Info*

Click on the info button at the far right of the bottom bar for lecture details.

### *Bring To Front*

At any time, the video, the slide, or the bottom bar can be on top. If you want to bring any layer that is at the back to the front, just click on it once.

## **2.1.2 Downloads Tab**

The Downloads tab has the exact features as the Courses Tab except when a course is selected, only a list of lectures that have been downloaded can be seen in the lectures pane.

When a lecture is clicked on, an options menu with details of the lecture and options for watching or deleting the downloaded lecture will be displayed.

From there, you can watch or delete the lecture.

## **2.1.3 iTunes U Tab**

Via this tab, you can access the iTunes U portal with the TunesViewer application developed by Luke Bryan and team (<http://tunesviewer.sourceforge.net/>). No additional downloads are needed.