

Massive on-line learning: moving from web to mobile



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**POLITECNICO
DI TORINO**



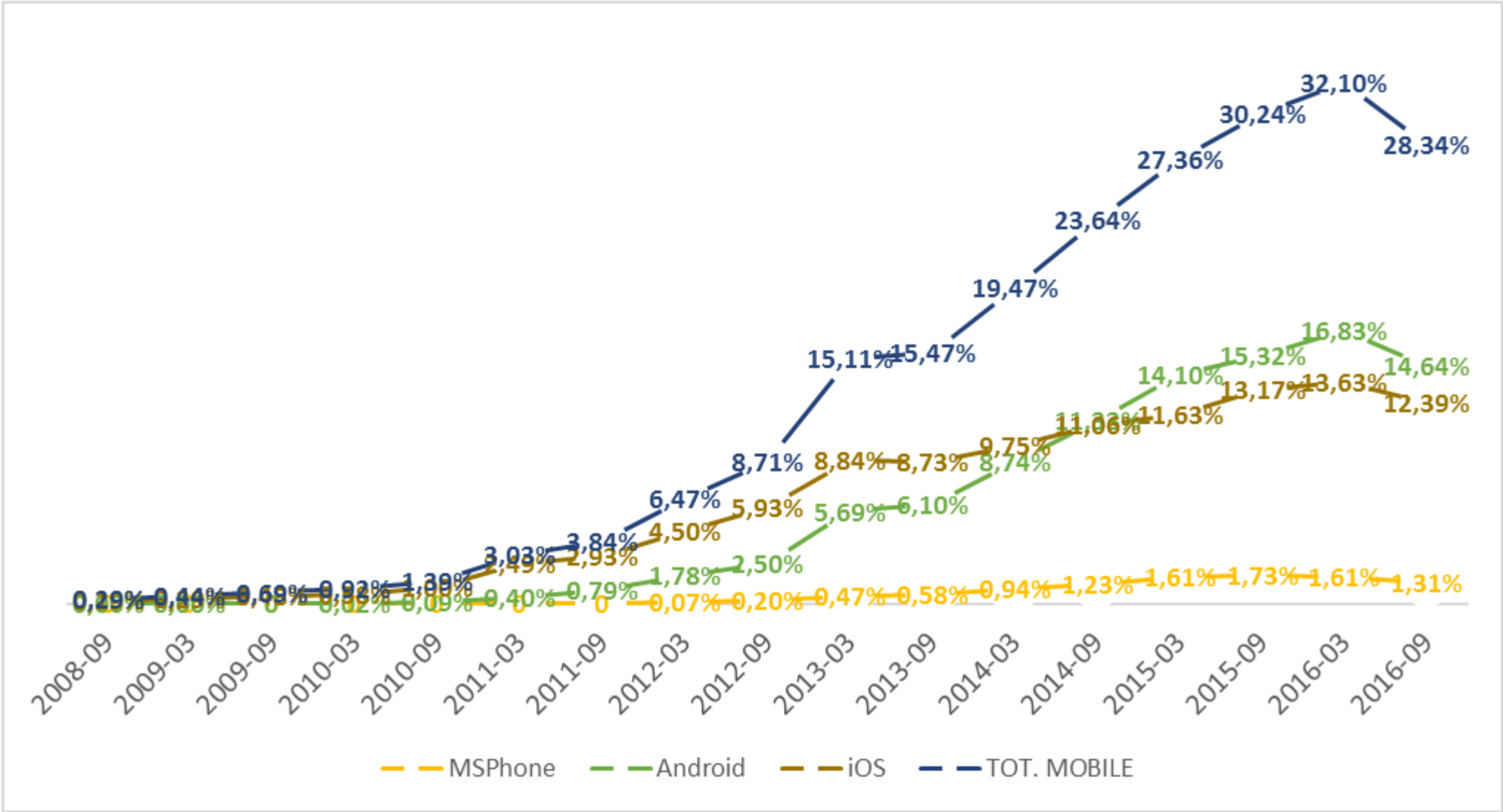
Politecnico di Torino in numbers

- Ranked among the first 25 European technical Universities Engineering/Technology/Computer Science
- 22 Degree programs (first cycle level - Bachelor)
- 29 MS Degree programs (second cycle level - Master)
- 16 Courses completely in English
- 1 I level Specialization Masters
- 10 II level Specialization Masters
- 3 Interuniversity Specializing Master programs
- 7 Lifelong Learning programs including 5 in cooperation with other university and external bodies
- 16 PhD programs
- 6,356 graduates in 2015
- 3,198 first cycle (Bachelor) level graduates (average age: 24 years old)
- 3,158 second cycle (Master) level graduates (average age: 26 years old)
- Employment rate of second cycle (Master) students one year after graduation: 84,7% (AlmaLaurea report 2015 - def. ISTAT-Workforce) (above the national average of 68.7%)

Numbers for ICT services for didactics

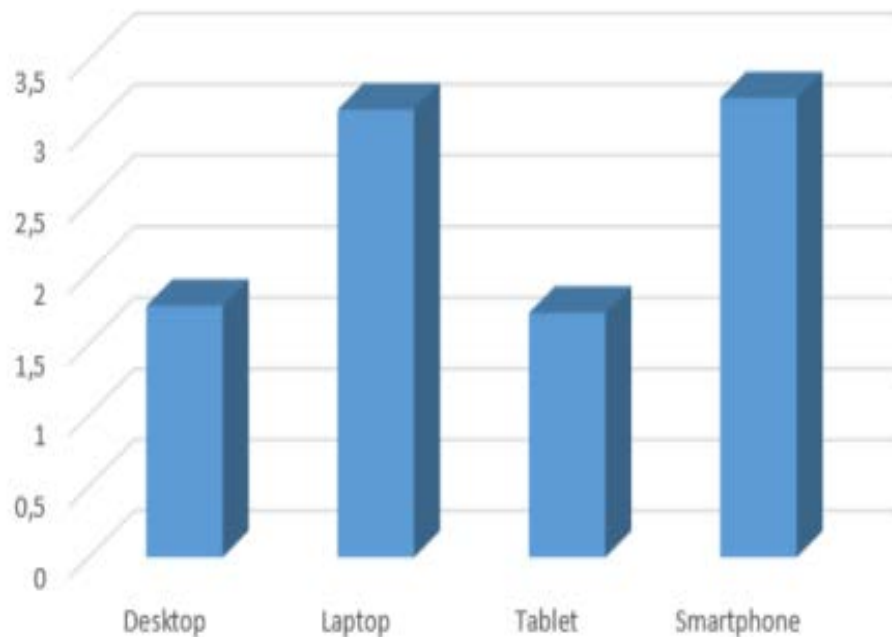
- 33.000 students
- 51 Degree Programs
- Teaching Portal
 - 1.000.000 logins/month
 - 450.000 teaching material file
 - 80.000.000 downloads/year
 - 80 courses fully video-recorded in aula
 - 3.000 lectures video-recorded in aula per year
 - 10.000 lectures on-line
 - 1.200.000 accesses/download of video-lectures per year

Mobile accesses to web services for didactics

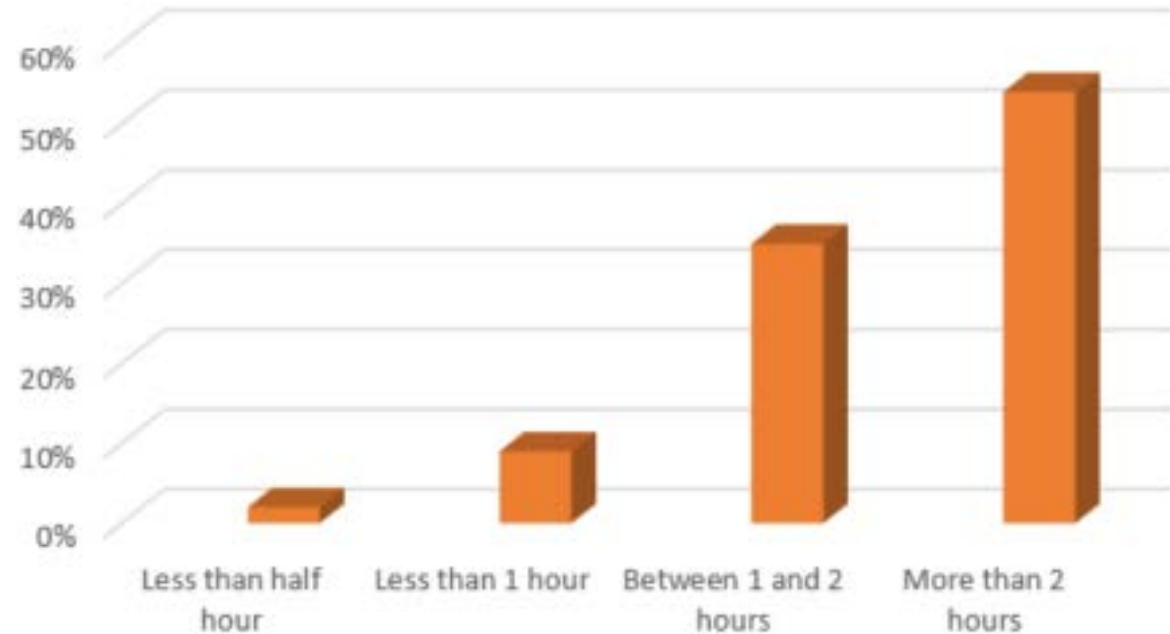


Students' habits in device usage

Device mainly used to access University services



Daily Smartphone usage



2016 Politecnico di Torino students survey: 6.000 responses evaluated

Video recorded lectures

- 80 courses fully video-recorded in aula/year
 - 3 Bachelor programs of study
 - 1 Master degree program of study
 - Courses from different programs
- 3.000 lectures video-recorded in aula/year
- 10.000 lectures on-line
- 1.200.000 accesses of video-lectures/year



Lezioni on-line		
Crea	Ordina	Vedi
▶	2013_Lezione 01	✓
	del 05/03/2013	<ul style="list-style-type: none"> • Introduzione al corso
▶	2013_Lezione 02	
	del 06/03/2013	<ul style="list-style-type: none"> • Linguaggi per elaboratori
▶	2013_Lezione 03	
	del 06/03/2013	<ul style="list-style-type: none"> • Diagrammi di flusso
▶	2013_Lezione 04	
	del 12/03/2013	<ul style="list-style-type: none"> • Architettura degli elaboratori
▶	2013_Lezione 05	
	del 13/03/2013	<ul style="list-style-type: none"> • Introduzione al c
▶	2013_Lezione 06	
	del 13/03/2013	<ul style="list-style-type: none"> • Numeri binari



BOOKMARK!

Clicca per vedere l'elenco dei bookmark memorizzati

Download

offline version (click con tasto dx sul file e salva con nome...)

▶ Video		
▶ iPhone	File	Informatica_lez_01.mp4
▶ iPod	Date	06-03-2013
▶ Mobile	Size	138.48 Mbyte
▶ Audio	Codec	mp4 (h264/aac)
	Bitrate	288.519 kbit/s
	Duration	01:07:06
	Resolution	1024x768@25

Video recorded lectures

About 15€ per hour for registration

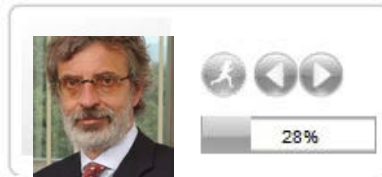
No cost of production

Flow about full automated from aula to distribution

The final product is not so «nice», but

- Sustainable
- Affordable
- Scalable

2014 - Architetture dei sistemi di elaborazione



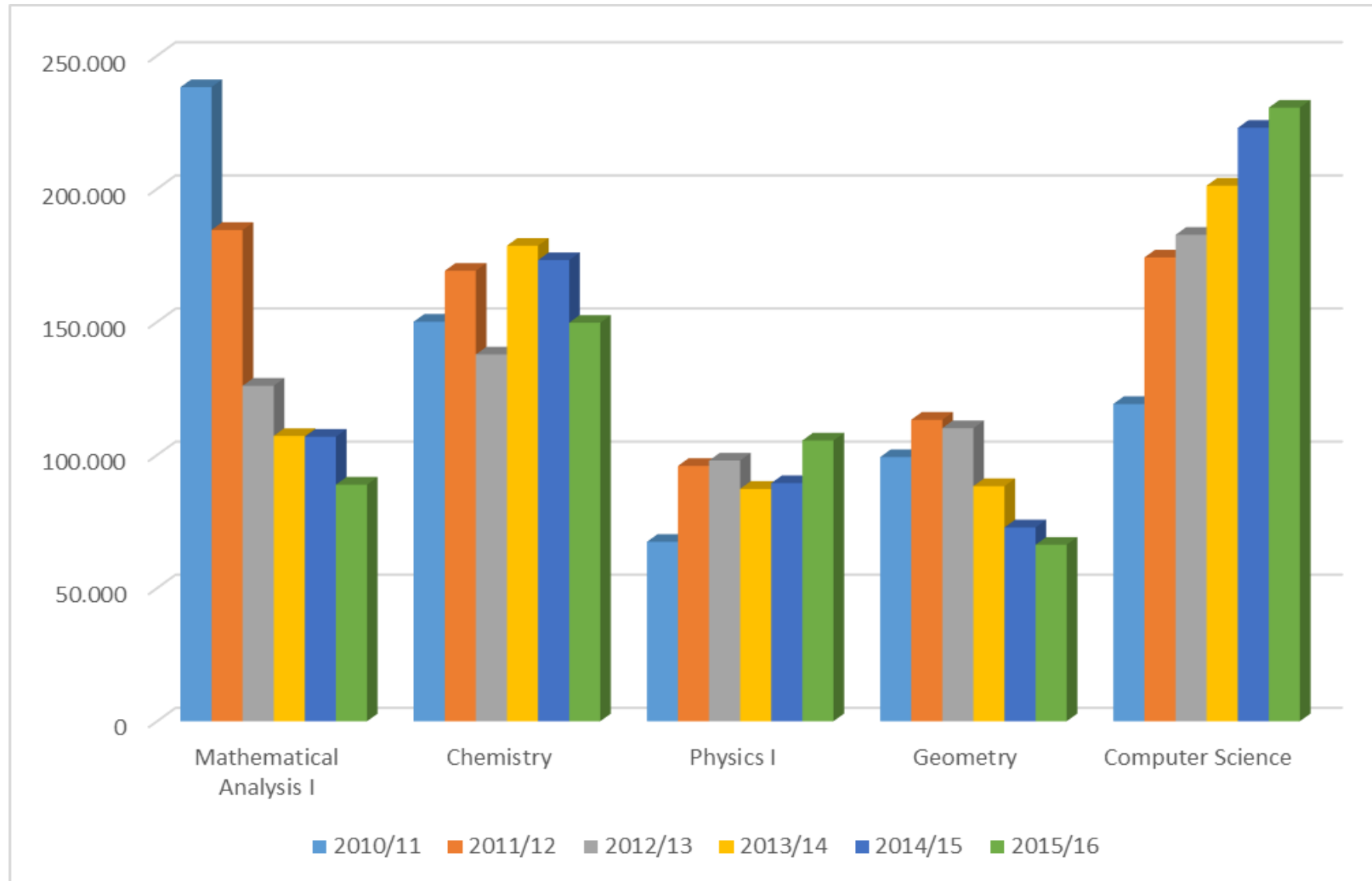
Architetture dei sistemi di elaborazione

Docente: Marco MEZZALAMA

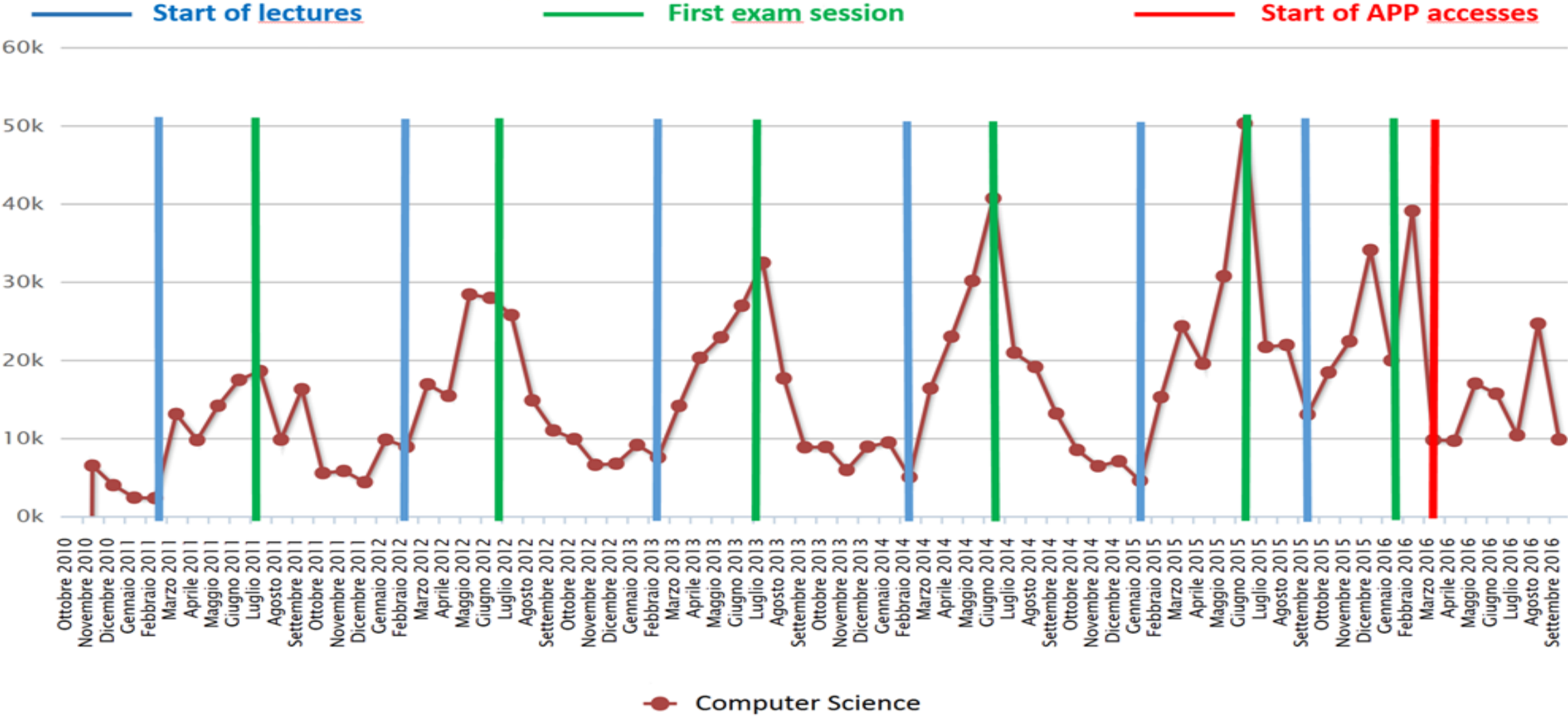
2014_Lezione 20



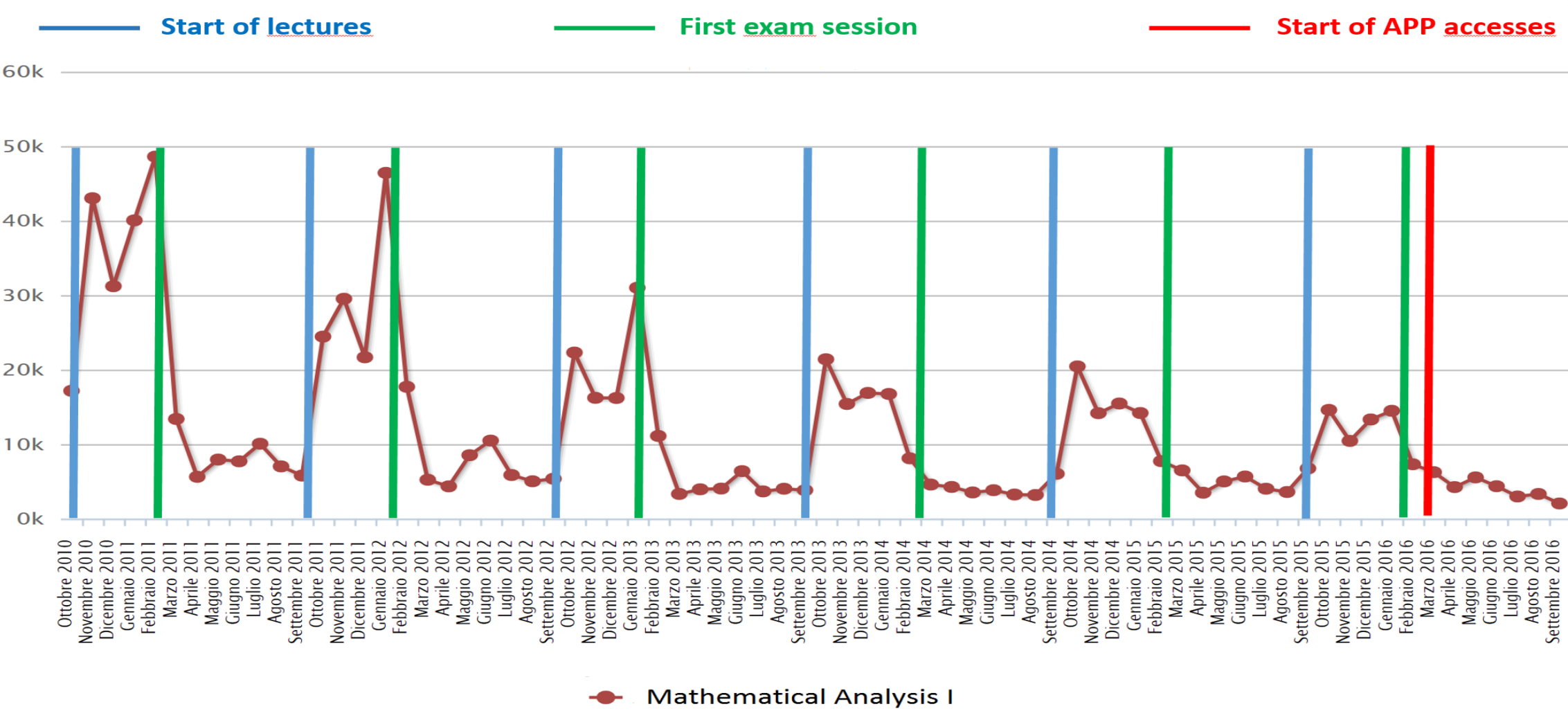
Video-lecture accesses – first year of Engineering



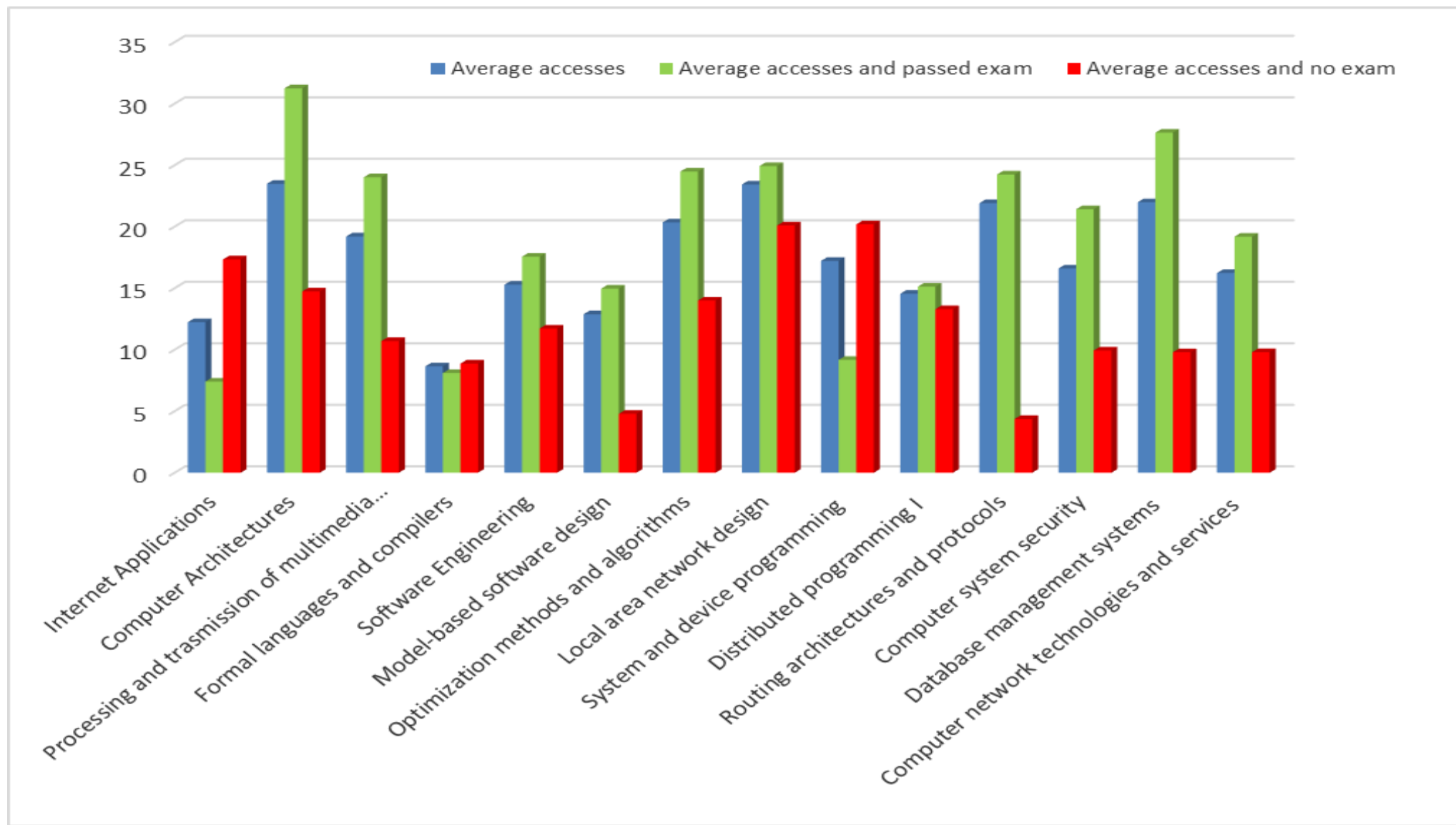
Video-lecture monthly accesses chart




Video-lecture monthly accesses chart



Average accesses per student – MD Comp. Eng.





The responsive model


POLITECNICO DI TORINO

Servizi per la didattica


PORTALE DELLA DIDATTICA

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Andrea

Area dell'INGEGNERIA
Corso di Laurea Magistrale in
INGEGNERIA ENERGETICA E NUCLEARE
Classe LM-30 (DM270)
Ultima iscrizione 2016/2017
Situazione carriera **ATTIVO**


Bookmarks

- Biblioteca
- Date Esami
- Guida dello studente e calendario accademico
- Mappa del

Carico Didattico A.A. 2016/17

→ Orario settimanale lezioni ⓘ

01MUIND	Localizzazione e impatto ambientale dei sistemi energetici	ⓘ	(10)
01QGXD	Polygeneration and advanced energy systems	ⓘ	(10)
01QGYND	Thermal design and optimization	ⓘ	(8)
01QHBND	Accumulo e trasporto di energia	ⓘ	(6)
02GMGND	Tecnica del freddo e criogenia	ⓘ	(6)
02OKEND	Monte Carlo methods, safety and risk analysis		(10)
	Monte Carlo methods, safety and risk analysis A (Prof. Sandra Dulla)	ⓘ ⓘ	
	Monte Carlo methods, safety and risk analysis B (Prof. Andrea Carpignano)	ⓘ ⓘ	
02QZSND	Applicazioni energetiche dei materiali	ⓘ	(6)
22EBHND	Tesi		(16)

Altri corsi


Esami

→ Consultazione e prenotazione esami
→ Valutazioni provvisorie

Per informazioni relative a queste procedure contattare staffesami@polito.it.


Materiale propedeutico


- Lingua inglese
- Francese - autoapprendimento
- Storia della Chimica
- Innovative Learning and Training on Fracture


POLITECNICO DI TORINO

Servizi per la didattica

PORTALE DELLA DIDATTICA

[Logout](#)




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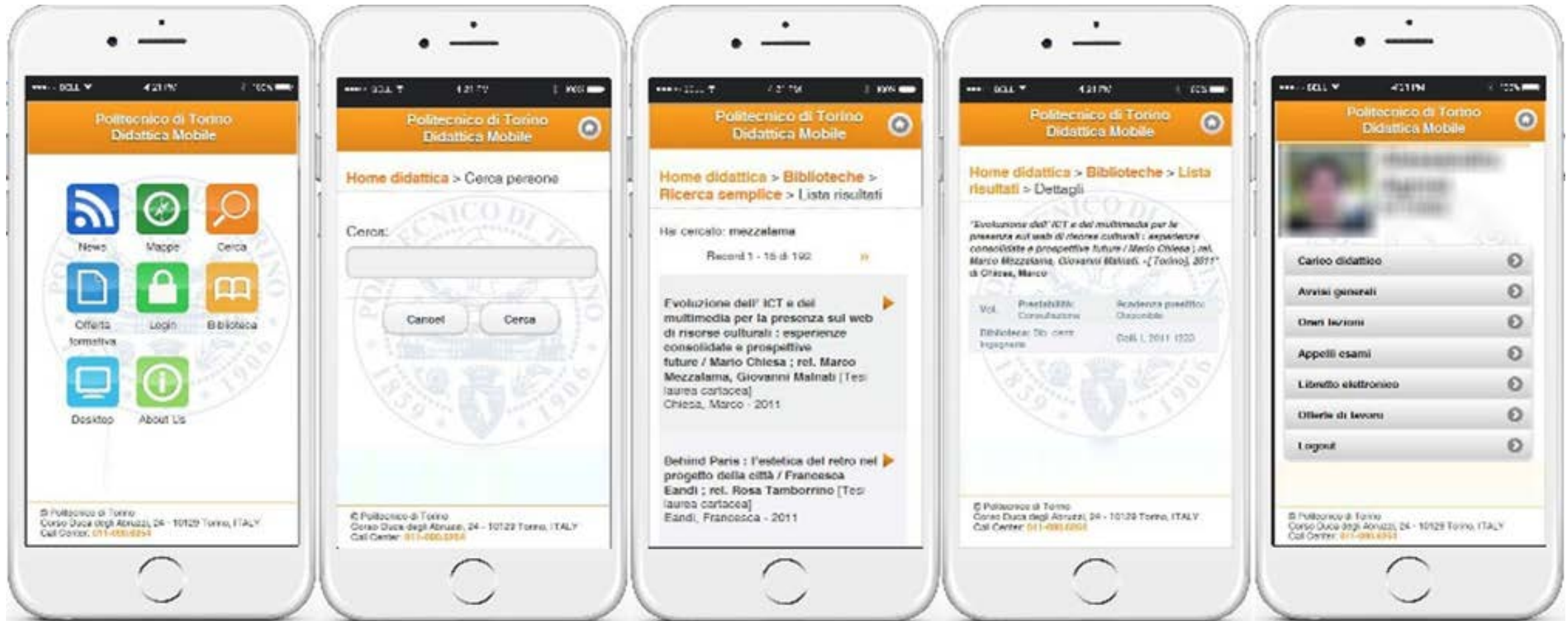
Altri corsi

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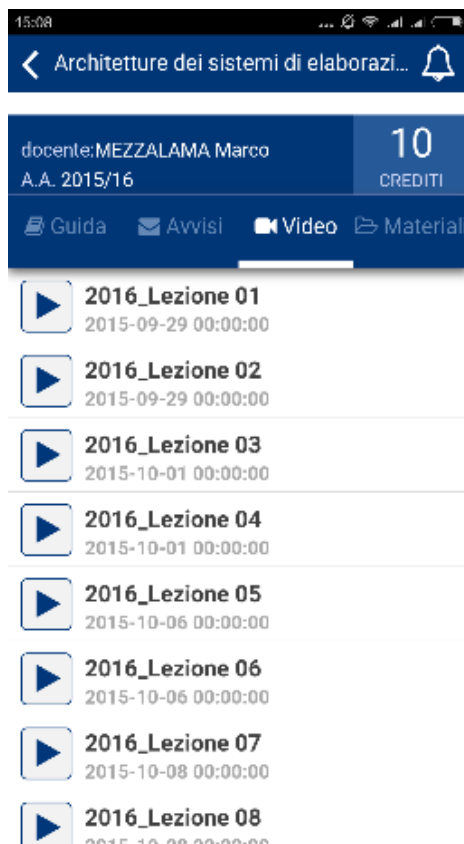
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The mobile model



The mobile app model

Architetture dei sistemi di elaborazione

docente: MEZZALAMA Marco
A.A. 2015/16

10 CREDITI

Guida Avvisi Video Materiali

Lezione	Data
2016_Lezione 01	2015-09-29 00:00:00
2016_Lezione 02	2015-09-29 00:00:00
2016_Lezione 03	2015-10-01 00:00:00
2016_Lezione 04	2015-10-01 00:00:00
2016_Lezione 05	2015-10-06 00:00:00
2016_Lezione 06	2015-10-06 00:00:00
2016_Lezione 07	2015-10-08 00:00:00
2016_Lezione 08	2015-10-08 00:00:00



Orario lezioni

Chimica ambientale/Ecologia applicata all'ingegneria (AA-ZZ)
(Chimica ambientale)
Silvia FIORE
Inizio lezioni: 29/02/2016
Fine lezioni: 11/06/2016

Corso di laurea in:
- INGEGNERIA PER L'AMBIENTE E IL TERRITORIO

Dal 29/02/2016 al 04/03/2016 ([cambia](#))

	Febbraio	Marzo			
	29	1	2	3	4
	LUN	MAR	MER	GIO	VEN
8:30					
9:00		Aula 15A			
9:30					
10:00			Aula 9I		
10:30					
11:00					
11:30					

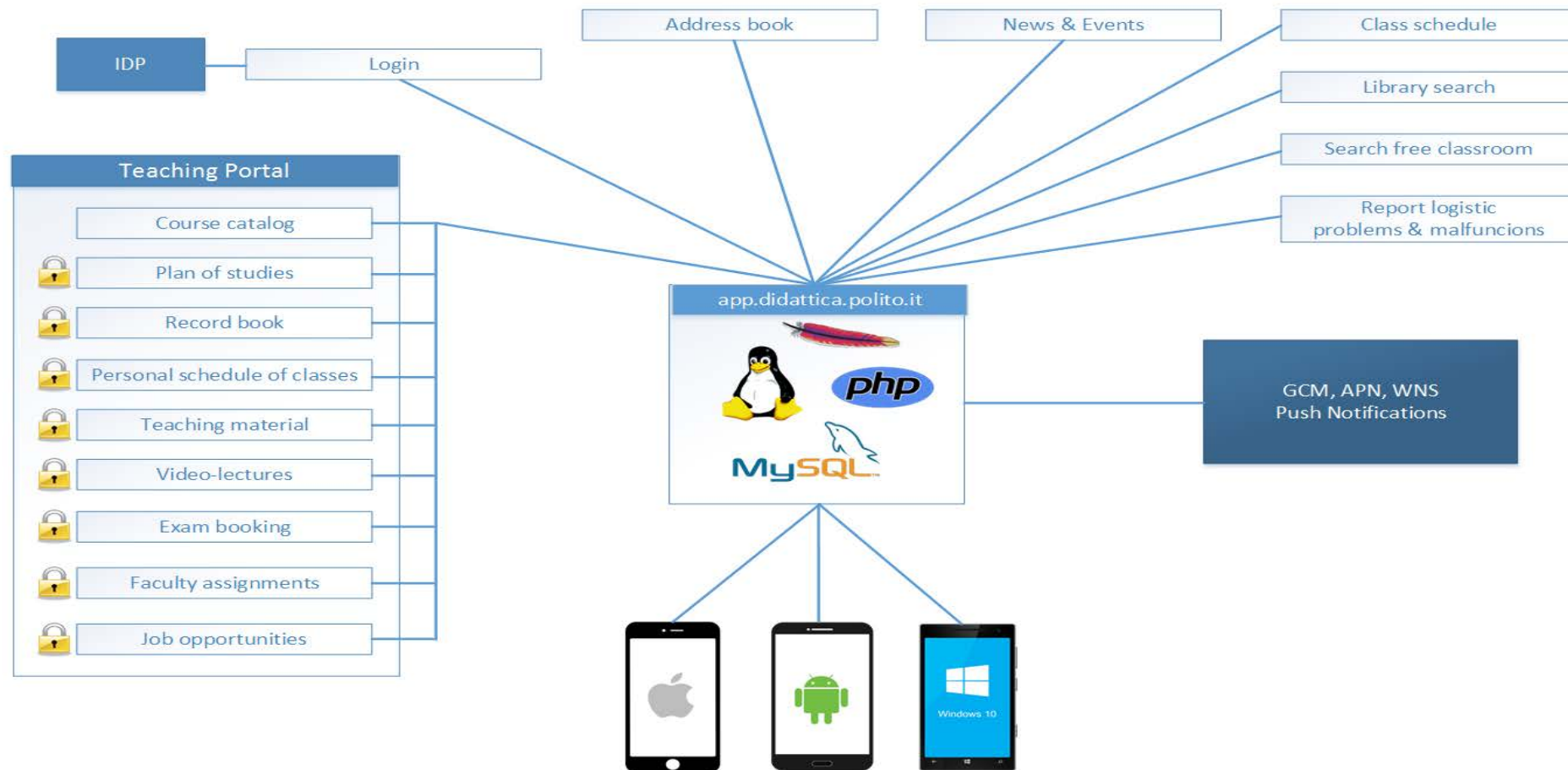


PoliTO App functionalities

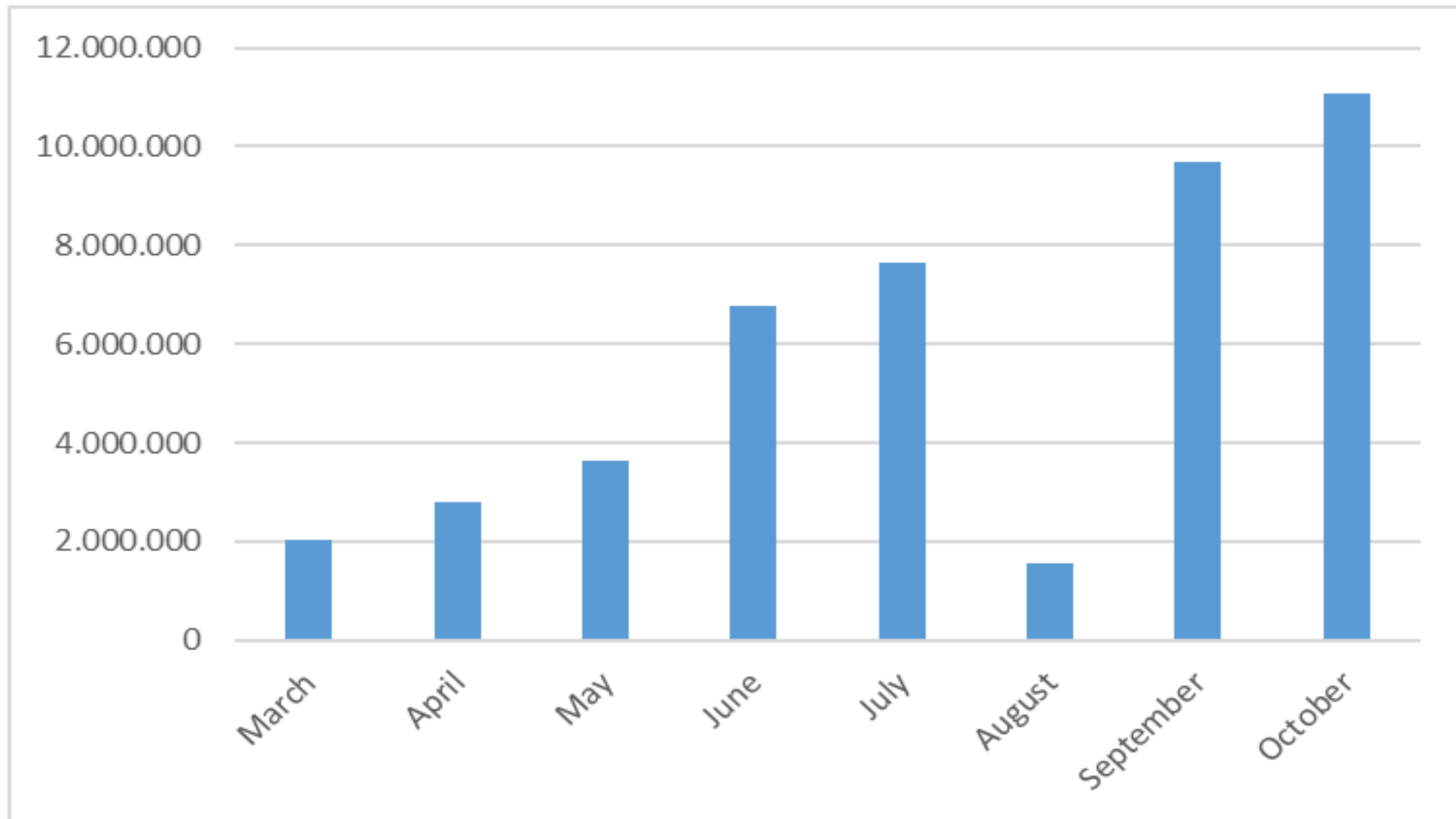
PoliTO App is the official app of Politecnico di Torino that provides information and customized services to students, faculty and administrative staff, such as:

- News and events
- educational opportunities
- search class schedules
- maps
- search free classrooms
- transport information
- search Politecnico directory
- library search
- report logistics problems and malfunctions
- view Personal Study Plan
- access to teaching material and video lessons
- electronic credits booklet
- temporary exam grade
- personal schedule of classes
- exam registration
- feedback on teaching quality through a questionnaire
- job offers
- faculty assignments
- lists of registered exam candidates with attendance management for test result registration
- notifications of key announcements
- access to student e-mail account

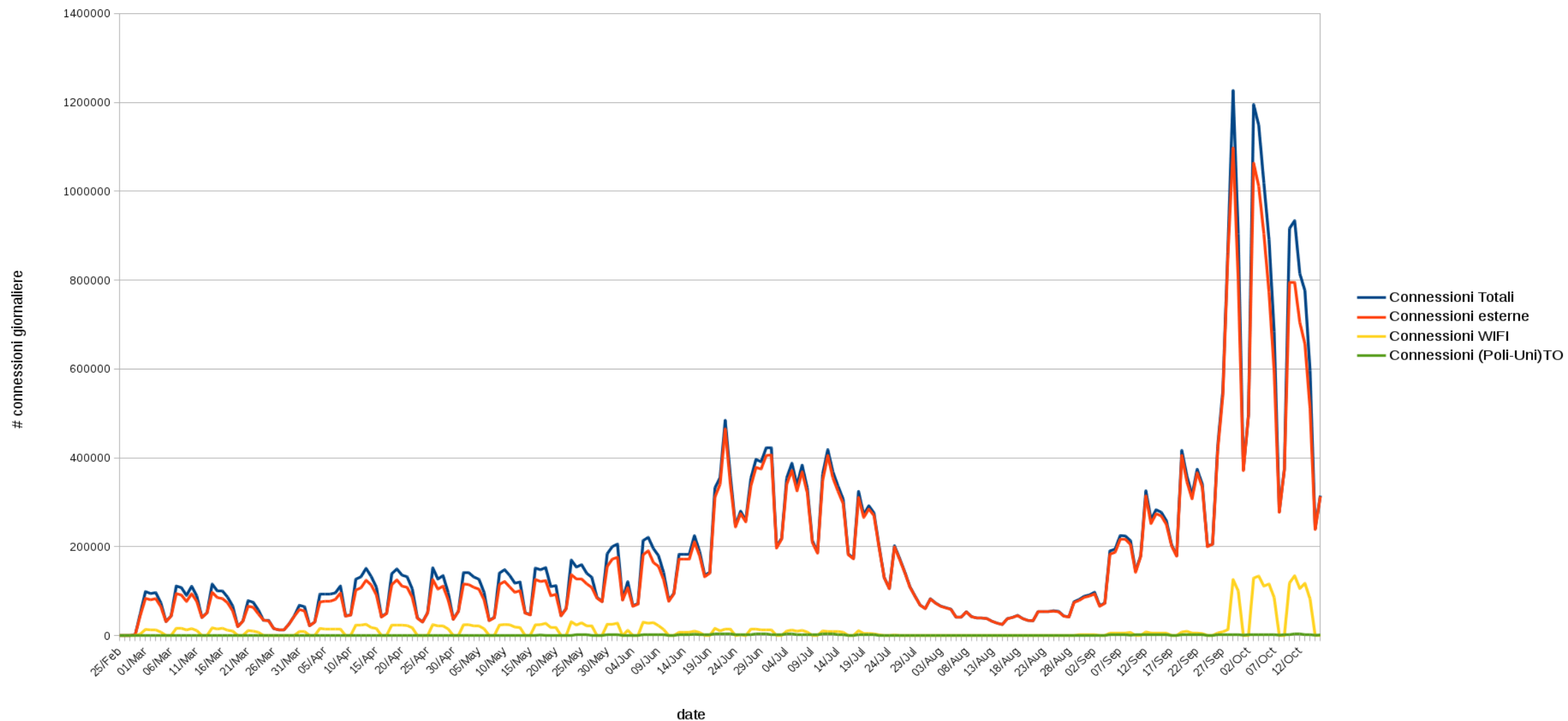
PoliTO App general architecture



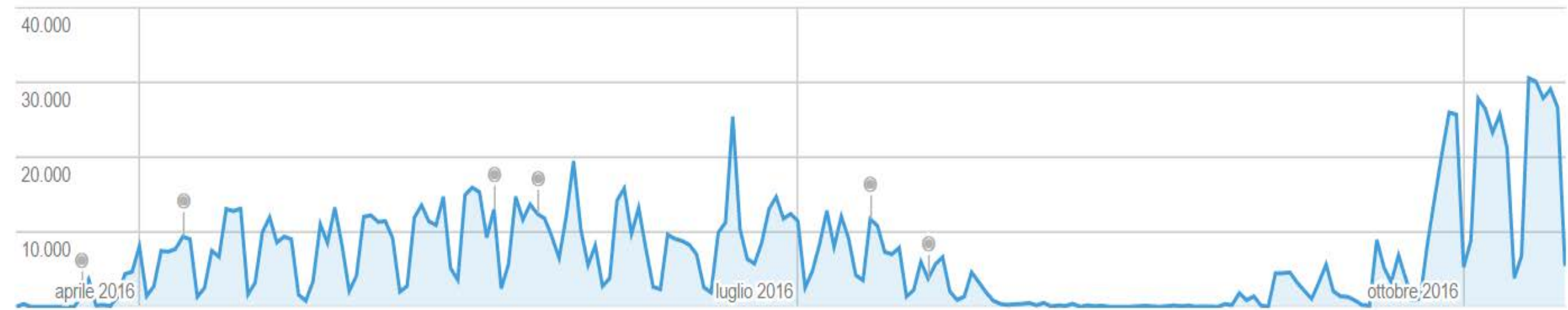
Monthly requests to PoliTO App PHP APIs



Daily requests to PoliTO App PHP APIs



Daily notifications for Android Devices



PoliTO APP numbers

- Android
 - First release 2016-02-26
 - 18.500 installations
- iOS
 - First release 2016-03-26
 - 10.000 installations
- Windows10
 - First release 2016-09-06
 - 1.000 installations



PoliTO App

POLITECNICO DI TORINO Istruzione

3 PEGI 3

★★★★★ 433

 Aggiungi a lista desideri

Installa



THANKS

