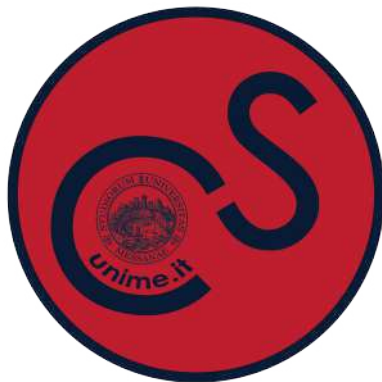
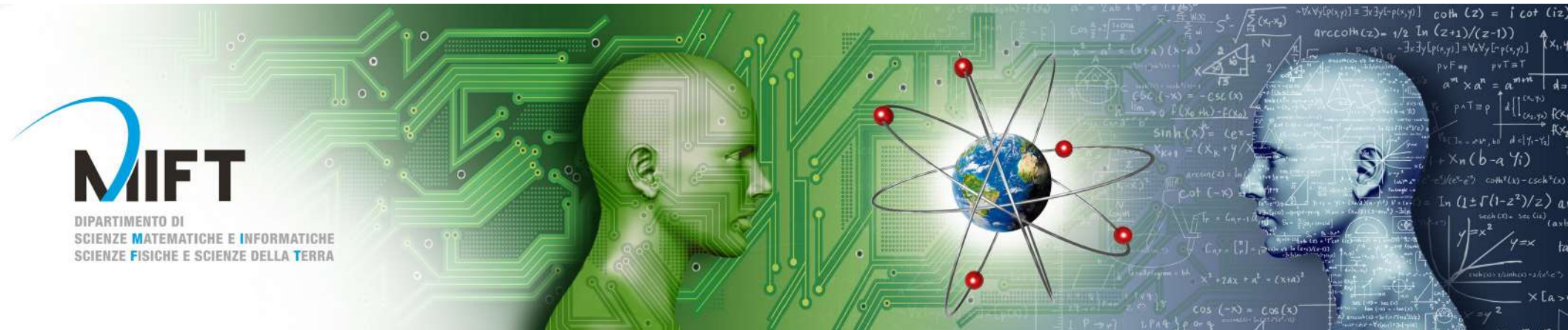




UniMe  
1548



# Bachelor's Degree in Computer Science

# CURRICULUM TECNOLOGIE INFORMATICHE

## PIANO DI STUDI

### PRIMO ANNO

Matematica discreta	Fisica Mod. A
Calcolo Mod. A	Fisica Mod. B
Calcolo Mod. B	Algoritmi e strutture dati
Programmazione	Lingua inglese
Calcolo Numerico	

### SECONDO ANNO

Programmazione ad oggetti	Basi di Dati
Logica per l'informatica	Basi di Dati (Mod. NoSQL)
Architettura degli elaboratori	Sistemi Operativi
Reti di calcolatori	Sistemi Operativi (Mod. Sistemi di virtualizzazione)
Disciplina da Tabella 1*	

#### \*Tabella 1

Diritto dell'informatica	Tecnologia e innovazione
Sistemi di gestione per la qualità	Statistical methods and models
Filosofia della Scienza	

### TERZO ANNO

Programmazione Web	Sicurezza dei sistemi
Laboratorio di Reti e Sistemi Distribuiti	Laboratorio di Intelligenza Artificiale
Laboratorio di amministrazione dei sistemi	



TECNOLOGIE  
INFORMATICHE



DATA ANALYSIS



# CURRICULUM DATA ANALYSIS



## STUDY PROGRAMME

### YEAR 1

Calculus (Mod. A and B)	Programming
Discrete Mathematics	Object oriented Programming
Mathematics for data analysis	Algorithms and Data Structures
Physics (Mod A and B)	

### YEAR 2

Computer Networks	Device Physics
Devices and Circuits for Artificial Intelligence	Operating Systems
Database	Operating Systems (Mod. Virtualization systems)
Database (Mod. NoSQL)	Statistical methods and models
Subject from Table 2	

#### \*Table 2

Data Modelling	Wireless sensor networks
----------------	--------------------------

### YEAR 3

Web programming	Software Engineering
Data mining & analytics	System Security
Machine Learning	

# CURRICULUM DATA ANALYSIS



## STUDY PROGRAMME

### YEAR 1

Calculus (Mod. A and B)	Programming
Discrete Mathematics	Object oriented Programming
Mathematics for data analysis	Algorithms and Data Structures
Physics (Mod A and B)	

### YEAR 2

Computer Networks	Device Physics
Devices and Circuits for Artificial Intelligence	Operating Systems
Database	Operating Systems (Mod. Virtualization systems)
Database (Mod. NoSQL)	Statistical methods and models
● Subject from Table 2	

### \*Table 2

Data Modelling	Wireless sensor networks
----------------	--------------------------

### YEAR 3

Web programming	Software Engineering
Data mining & analytics	System Security
Machine Learning	

TECNOLOGIE  
INFORMATICHE



DATA ANALYSIS



# Reference People



**Delegated Coordinator**

Prof. Antonio Celesti  
acelesti@unime.it

# Why Computer Science in Messina?

- **Certified Technological and Scientific Innovation**



- **Lots of National and International Research Projects**



..

- **Contacts with Enterprises**



..

.

- **Possibility to do the exam for obtaining the Italian qualification to the profession of engineer – Computer Science Section**



- **Possibility to continue your studies:**
  - **Master Degree in Engineering and Computer Science**
  - **Master Degree in Data Science**
  - **PhD**
  - **Post graduation and post-doc position in research projects**

# Where Are You?



UNIVERSITÀ DEGLI STUDI DI MESSINA

Department of  
Mathematical and Computer Sciences,  
Physical and Earth Sciences

<https://mift.unime.it/en>



## DIRETTORE MIFT

### **Prof. Domenico Majolino**

Professore Ordinario (S.S.D. FIS/07 - Fisica applicata)

Tel.: +39 090 676 5030 Fax: +39 090 395004

email: [domenico.majolino@unime.it](mailto:domenico.majolino@unime.it) 

Dipartimento di Scienze Matematiche e Informatiche, Scienze Fisiche e Scienze della Terra (MIFT)  
Università degli Studi di Messina

Viale F. Stagno d'Alcontres, 31 98166 Messina - Italy

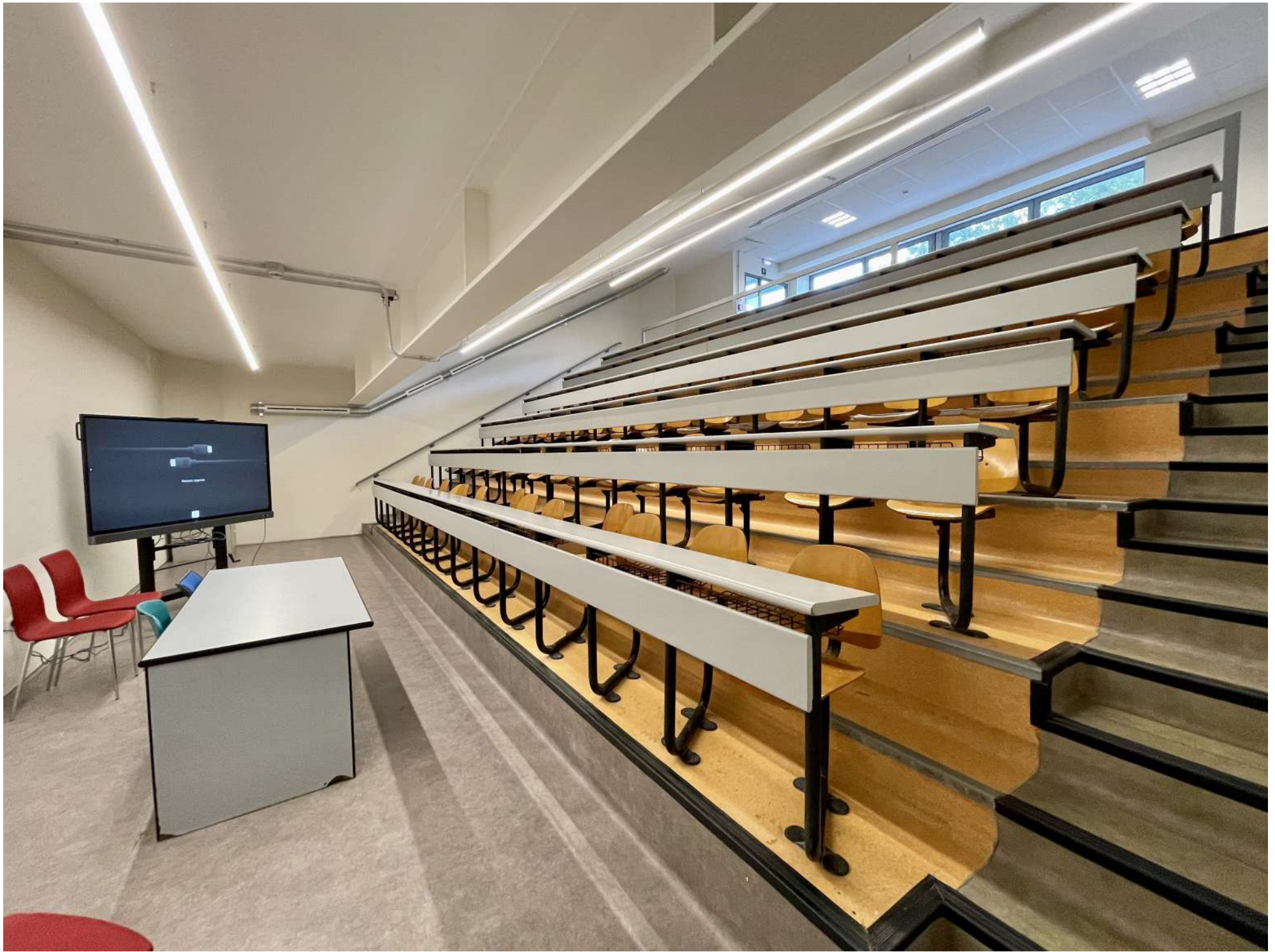
# Campus Buildings





# Buildings





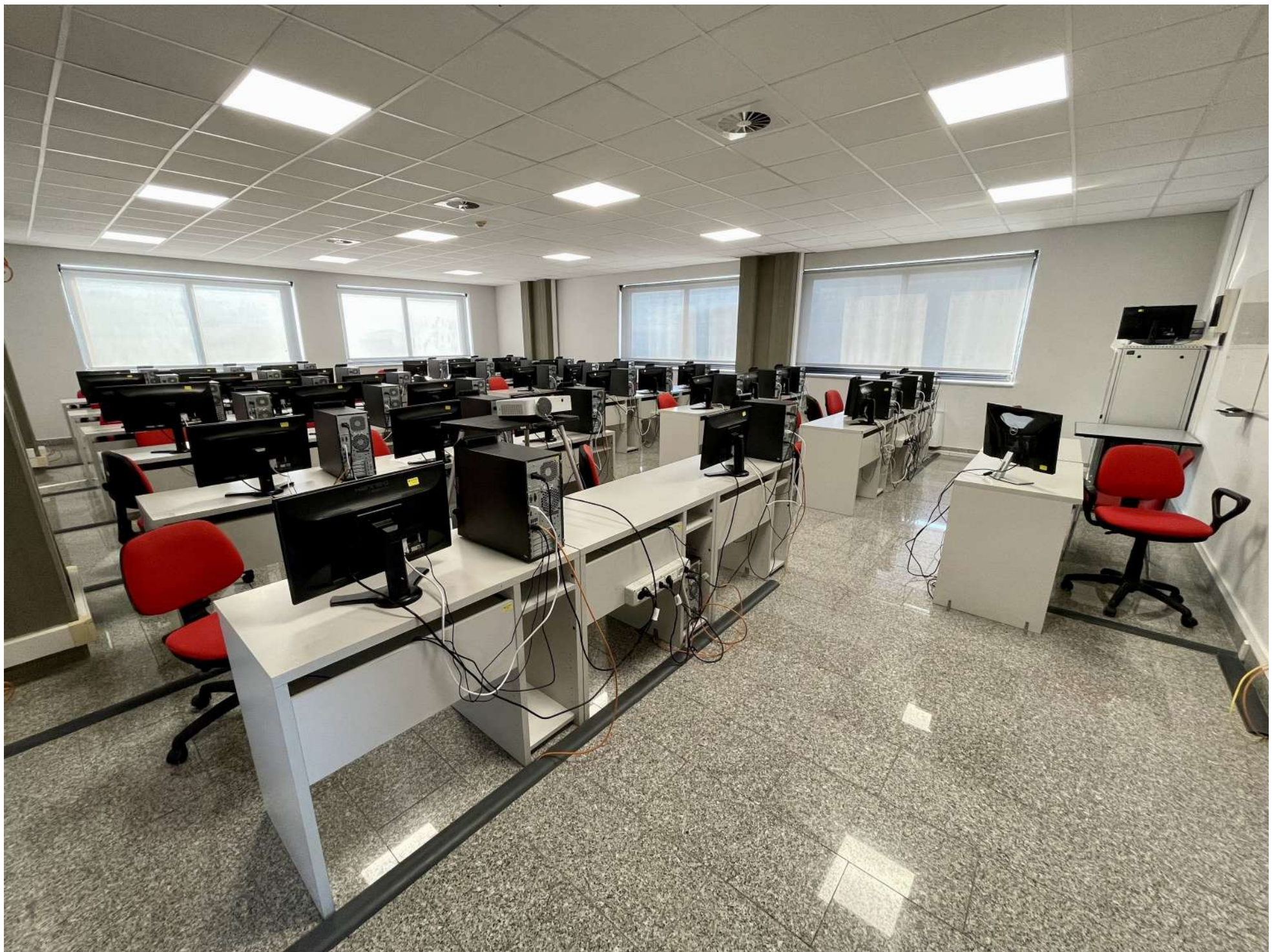
# Buildings



# Buildings







# Buildings

- Ex “Botanica” Building
- MIFT Teaching Secretary Offices



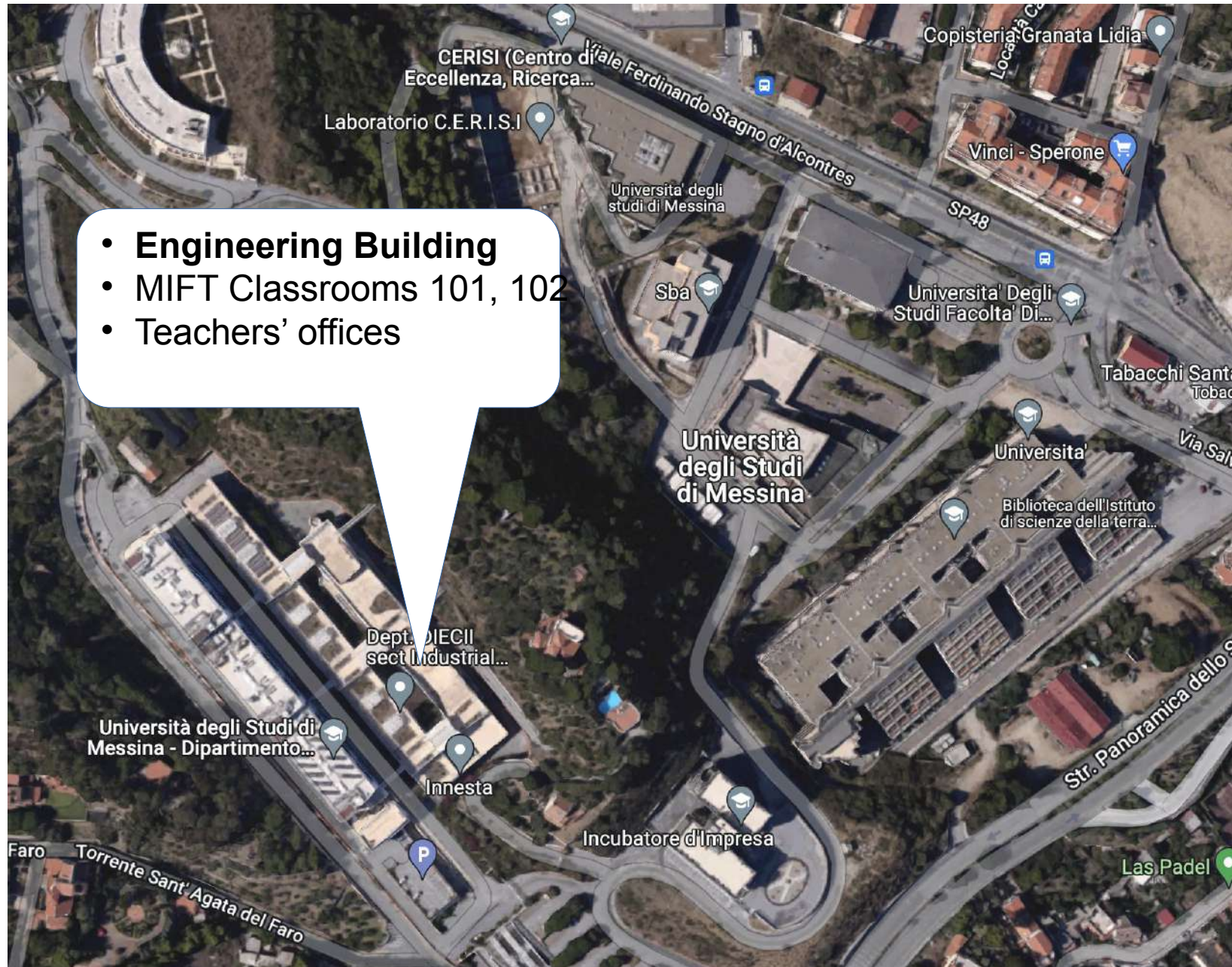
# Buildings





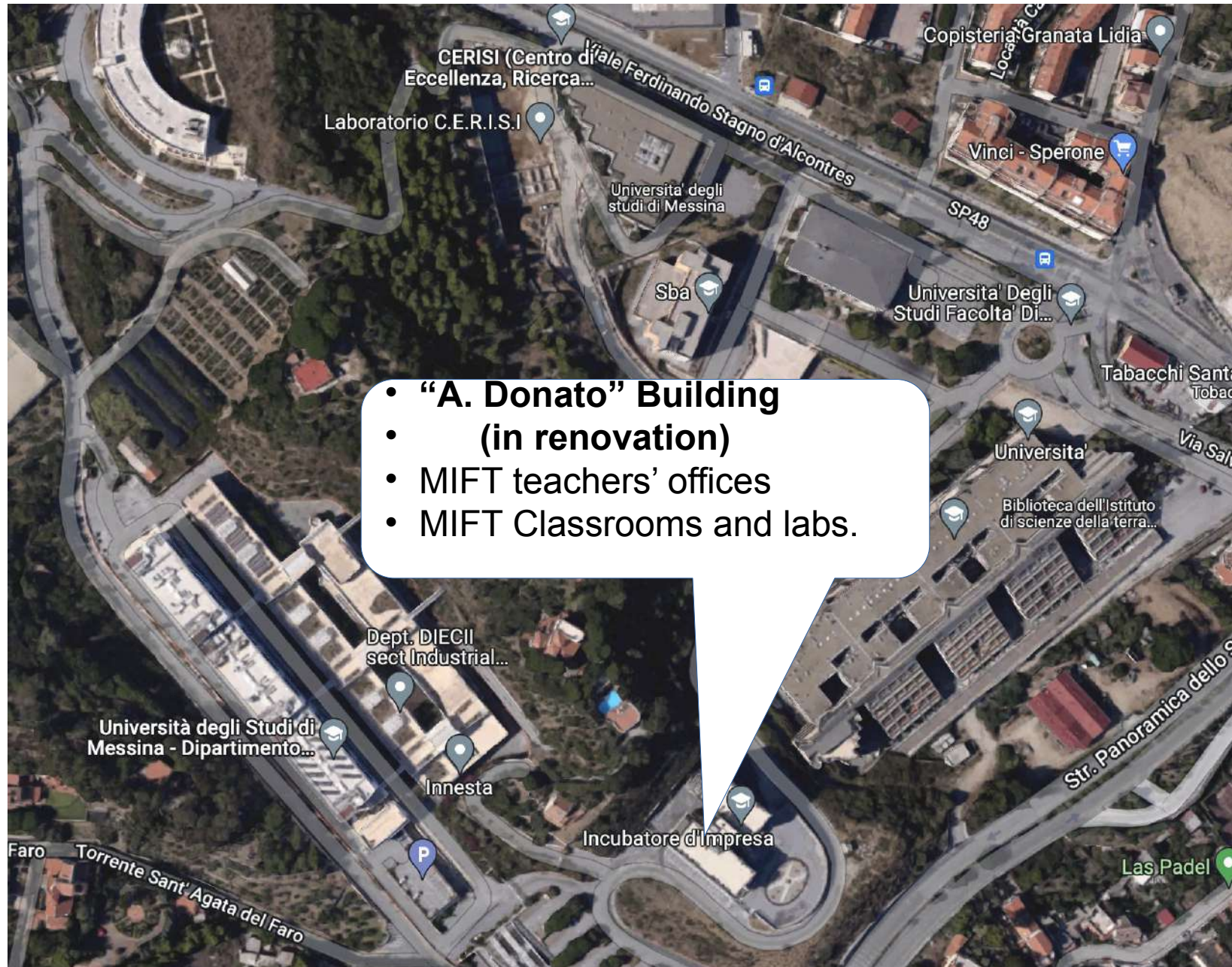


# Buildings





# Buildings





# Official Web Page

<https://informatica.cdl.unime.it/en>



Università  
degli Studi di  
Messina

Informatica

Unime.it

IT



Login

[The course](#)

[Enrollment](#)

[Studying](#)

[Graduating](#)

[Services](#)

[Contacts](#)



## Computer Science - Data Analysis Study Programme



**Class**  
L-31



**Access**  
Free



**Language**  
English, Italian



**Coordinator**  
MASSIMO VILLARI



**Location**  
MESSINA



**Department**  
Department of Mathematics,  
Computer Science, Physics and  
Earth Science



**Duration**  
3 years



**Credits**  
180

## Highlights

# Social Channels



Through smartphone look for and join the channel:  
**Informatica botME.**

**facebook**

Official page

<https://www.facebook.com/cdsinformaticaunime>



# e-Learning Platform

<https://moodle2.unime.it/>

## Database Data Analysis 2021-2022

[Dashboard](#) / [I miei corsi](#) / [AA\\_2021\\_2022](#) / [Scienze matematiche e informatiche, scienze fisiche e scienze della terra](#) / [Corsi di laurea di primo li](#)  
/ [Database Data Analysis 2021-2022](#)

 [Annunci](#)

### Module A (RDBMS)

 [Slides Module Database \(RDBM\) - first semester](#)

### Module B (NoSQL) 01 - Distributed Systems Foundations

 [Distributed system introduction](#)

 [Distributed architectures](#)

 [Cloud computing overview](#)

### Module B (NoSQL) - OODBMS vs. ORDBMS

 [OODBMS vs. OR DBMS](#)

### Module B (NoSQL) - Oracle and PL/SQL

 [Official Oracle download page](#)

 [Tutorial on how to install an Oracle Linux Virtual Machine](#)

This tutorial is valid for any Operating System. The Oracle VM includes the whole Oracle framework (e.g., Oracle DB, SQL plus, SQL





# Microsoft Teams

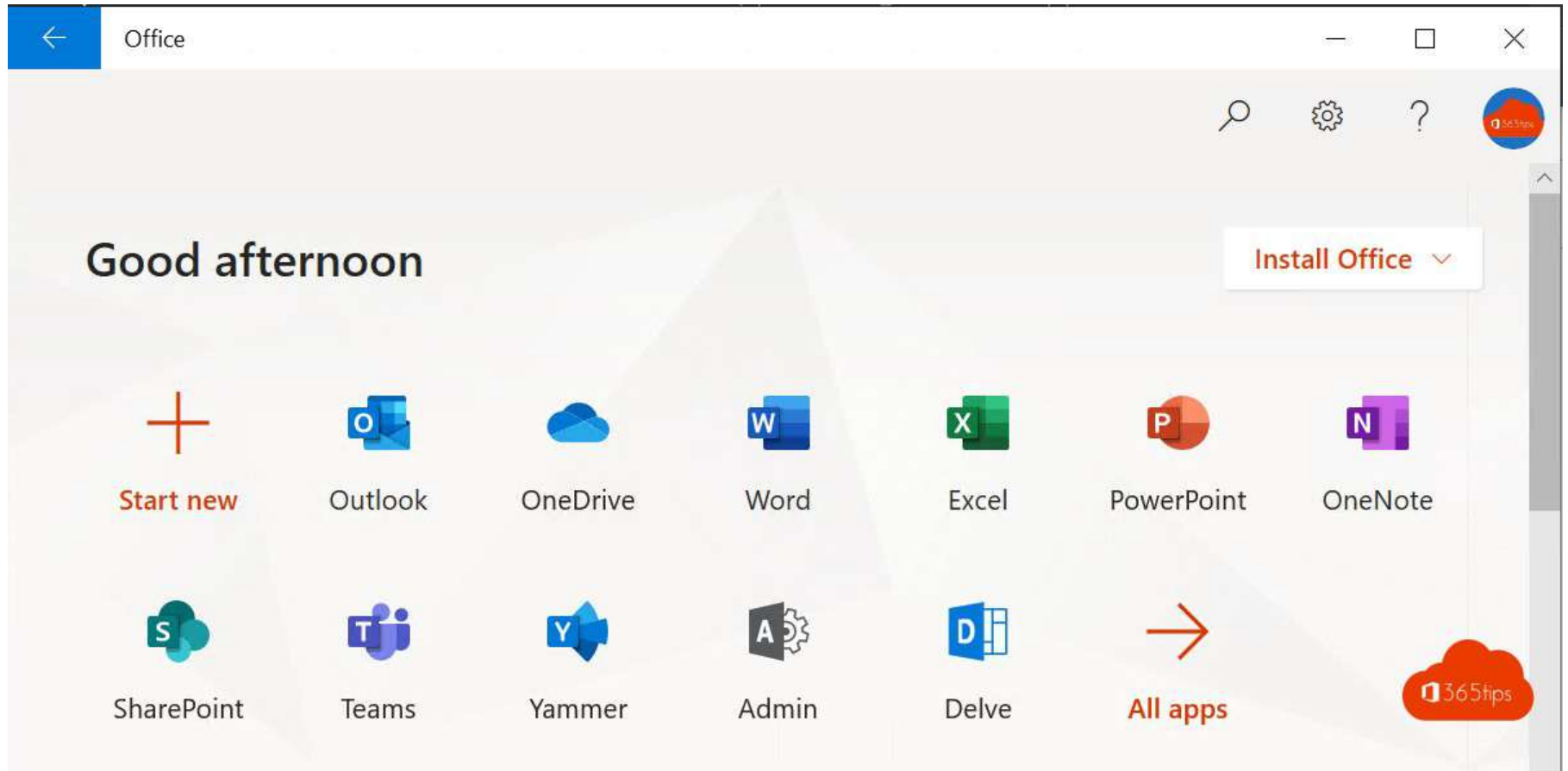
<https://teams.microsoft.com/>



- Reception of students (optional, we prefer in person!!!), sharing of teaching materials.
- Virtual classes until December 31st, only for students who have been waiting for VISA.



# Microsoft One Drive



# And Many Other Services...

<https://international.unime.it/>



Università  
degli Studi di  
Messina



Login

[University](#)

[Study with us](#)

[Mobility](#)

[Research](#)

[Services](#)

[Living in Messina](#)



# Your Dashboard



Esci



Ciao **Antonio Celesti**

Ricercatore a tempo determinato

[i tuoi accessi](#)

Scadenza account:  
03-04-2024

## SERVIZI UNIME



Teams  
Teledidattica



Recupero  
frequenze



Teams  
Biblioteche



Recupero frequenze



Accesso a  
Matlab



Rassegna  
Stampa



Webmail



Servizi Web  
esse3



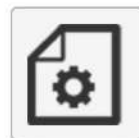
Istanze



I tuoi ticket



Operatore  
Portale Web



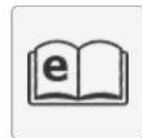
Protocollo



UniPerformance



Recon



Elearning



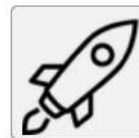
IRIS Ricerca



Cedolini, CUD,  
Certificati



U-GOV  
contabilità



uBUDGET



IrisCloud



IrisWEB



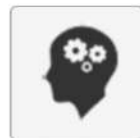
IrisAPP



Edicola digitale



GAIA



U-GOV  
Didattica



CISCO Self  
Care



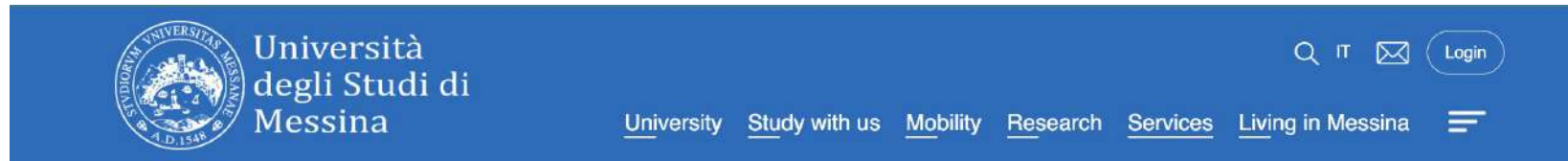
U-Sign Firma  
Digitale



Cineca  
Customer  
Portal

# And more and more...

<https://international.unime.it/services>



Home / Services

## Services



# First Semester Academic Calendar

October

OTTOBRE 2023		
1	D	-
2	L	LEZ. I SEM.
3	M	LEZ. I SEM.
4	M	LEZ. I SEM.
5	G	LEZ. I SEM.
6	V	LEZ. I SEM.
7	S	-
8	D	-
9	L	LEZ. I SEM. APP. LAUREE a.a. 22/23
10	M	LEZ. I SEM. APP. LAUREE a.a. 22/23
11	M	LEZ. I SEM. APP. LAUREE a.a. 22/23
12	G	LEZ. I SEM. APP. LAUREE a.a. 22/23
13	V	LEZ. I SEM. APP. LAUREE a.a. 22/23
14	S	-
15	D	-
16	L	LEZ. I SEM.
17	M	LEZ. I SEM.
18	M	LEZ. I SEM.
19	G	LEZ. I SEM.
20	V	LEZ. I SEM.
21	S	-
22	D	-
23	L	LEZ. I SEM.
24	M	LEZ. I SEM.
25	M	LEZ. I SEM.
26	G	LEZ. I SEM.
27	V	LEZ. I SEM.
28	S	-
29	D	-
30	L	LEZ. I SEM.
31	M	LEZ. I SEM.

November

NOVEMBRE 2023		
1	M	-
2	G	LEZ. I SEM.
3	V	LEZ. I SEM.
4	S	-
5	D	-
6	L	LEZ. I SEM.
7	M	LEZ. I SEM.
8	M	LEZ. I SEM.
9	G	LEZ. I SEM.
10	V	LEZ. I SEM.
11	S	-
12	D	-
13	L	LEZ. I SEM.
14	M	LEZ. I SEM.
15	M	LEZ. I SEM.
16	G	LEZ. I SEM.
17	V	LEZ. I SEM.
18	S	-
19	D	-
20	L	LEZ. I SEM.
21	M	LEZ. I SEM.
22	M	LEZ. I SEM.
23	G	LEZ. I SEM.
24	V	LEZ. I SEM.
25	S	-
26	D	-
27	L	LEZ. I SEM. I ANNO IV SESS.
28	M	LEZ. I SEM. I ANNO IV SESS.
29	M	LEZ. I SEM. I ANNO IV SESS.
30	G	LEZ. I SEM. I ANNO IV SESS.

December

DICEMBRE 2023		
1	V	IV SESS. a.a. 2022/23
2	S	-
3	D	-
4	L	LEZ. I SEM.
5	M	LEZ. I SEM.
6	M	LEZ. I SEM.
7	G	LEZ. I SEM.
8	V	-
9	G	-
10	D	-
11	L	LEZ. I SEM. APP. LAUREE a.a. 22/23
12	M	LEZ. I SEM. APP. LAUREE a.a. 22/23
13	M	LEZ. I SEM. APP. LAUREE a.a. 22/23
14	G	LEZ. I SEM. APP. LAUREE a.a. 22/23
15	V	LEZ. I SEM. APP. LAUREE a.a. 22/23
16	S	-
17	D	-
18	L	LEZ. I SEM.
19	M	LEZ. I SEM.
20	M	LEZ. I SEM.
21	G	LEZ. I SEM.
22	V	LEZ. I SEM.
23	S	-
24	D	-
25	L	-
26	M	-
27	M	-
28	G	-
29	V	-
30	S	-
31	D	-

January

GENNAIO 2024		
1	L	-
2	M	-
3	M	-
4	G	-
5	V	-
6	S	-
7	D	-
8	L	LEZ. I SEM.
9	M	LEZ. I SEM.
10	M	LEZ. I SEM.
11	G	LEZ. I SEM.
12	V	LEZ. I SEM.
13	S	-
14	D	-
15	L	I SESS.
16	M	I SESS.
17	M	I SESS.
18	G	I SESS.
19	V	I SESS.
20	S	-
21	D	-
22	L	I SESS.
23	M	I SESS.
24	M	I SESS.
25	G	I SESS.
26	V	I SESS.
27	S	-
28	D	-
29	L	I SESS.
30	M	I SESS.
31	M	I SESS.

February

FEBBRAIO 2024		
1	G	I SESS.
2	V	I SESS.
3	S	-
4	D	-
5	L	I SESS.
6	M	I SESS.
7	M	I SESS.
8	G	I SESS.
9	V	I SESS.
10	S	-
11	D	-
12	L	I SESS.
13	M	I SESS.
14	M	I SESS.
15	G	I SESS.
16	V	I SESS.
17	S	-
18	D	-
19	L	I SESS.
20	M	I SESS.
21	M	I SESS.
22	G	I SESS.
23	V	I SESS.
24	S	-
25	D	-
26	L	LEZ. II SEM.
27	M	LEZ. II SEM.
28	M	LEZ. II SEM.
29	G	LEZ. II SEM.

- Lesson
- Exam
- Final Degree session

Available in web site of the MIFT Department:

[https://mift.unime.it/sites/dip06/files/2023-07/MIFT\\_Calendaro\\_Didattico\\_AA.2023-2024.pdf](https://mift.unime.it/sites/dip06/files/2023-07/MIFT_Calendaro_Didattico_AA.2023-2024.pdf)

# How to Book Exams

<https://unime.esse3.cineca.it/>



UNIVERSITÀ DEGLI STUDI  
DI MESSINA



Home Login

Home page

## Unime ESSE3 Web Services

Welcome to the web portal dedicated to Esse3 Services for Students and Professors.  
To access or browse the information in the public area, click on the menu at the top.

---

**PLEASE NOTE:** starting from 28 February 2021, adult citizens who access online services must only use [SPID](#) for the purpose of their identification. Therefore, it is necessary to use [SPID](#) to access the online services, in order to enroll in one of the courses offered by the University.

**In case you do not have SPID, login without SPID for minors and foreign students is temporarily allowed.**

---

### Access to new users:

- If you are adult: [Register with SPID](#)
- If you are minor or foreign student: [Register](#)
- If you are a freelancer or an enterprise: [go to the portal of economic operators](#)

---

**Access for International Mobility:** [Authorization code from Access Code](#)

---

### Notice to the professors:

Professors do not have to Register here: to request a new account @unime.it, please contact the page of [Gestione Accessi Integrata di Ateneo \(G.A](#)

# Academic Tutor

- A Professor who provides assistance for didactical issues.
- Assigned to each student for the whole degree course.
- Wait for the closure of the enrolment process.



# Contacts

For any general administrative questions (e.g., enrollment, VISA, taxes, accommodation, transportation, etc.), please contact **[foreignstudents@unime.it](mailto:foreignstudents@unime.it)**

For any general teaching questions (e.g., how to attend a class, how to book an exam, online and presence classes, etc.), please contact **[info.data-analysis@unime.it](mailto:info.data-analysis@unime.it)**

For any specific questions about a class of the first semester (e.g., how to download e-learning material, video lessons, etc.), please contact the corresponding teacher. To look for a teacher use **<https://rubrica.unime.it/>** typing his/her name and surname. Ex.

## Rubrica Unime

Antonio Celesti

### [Dott. Celesti Antonio](#)

Ricercatori Legge 240/10 - t.det.

 [090 6768577](tel:0906768577)

 [antonio.celesti@unime.it](mailto:antonio.celesti@unime.it)

 Struttura: [Dipartimento di Scienze matematiche e informatiche, scienze fisiche e scienze della terra](#)

# Useful Links



<https://sway.office.com/EEIpJ6h2LvUajc33>

**Scan the QR Code with your smartphone now!**

# Suggestions

Try to stay at the Campus as much as possible to attend lessons, meet professors and use study areas to create a community of cooperating students.



# Suggestions

- During theoretical lessons **CLOSE** your laptop and use **pen and a squared notebook** for making notes!
- Slides discussed by teachers during the lessons are not enough to prepare the exam!
- Integrate the slides with the notes you made during classes and study from the official books indicated by teachers.



Use the PC only during practical and/or laboratory lessons.

# Suggestions

- Foreign students can optionally learn the Italian language to facilitate your integration in Italy
  - It will be useful for internships and to find a job in Italy!

<https://unimestone.unime.it/>



Login



# **Welcome Day**

To be announced in the mid of October



Enjoy UniMe and  
1548

