

## MASTER'S DEGREE IN CONDENSED MATTER PHYSICS

CODE: LM-17 PHYSICS

This advanced course in Physics awards a M. Sc. Degree on 120 ECTS (European Credit Transfer System) and is fully taught in English.

The course runs for 2 years and in the end the students will defend a dissertation on advanced topics in condensed matter physics.

Joining the CMP course at the University of Messina, is an opportunity for students to acquire an in-depth knowledge of Condensed Matter Physics. The students have the occasion to study and work in close contact with leading-edge research groups.

### JOB OPPORTUNITIES

This course gives students all skills needed to address a wide range of job opportunities in the following areas:

#### - High-technology environment.

The knowledge and skills acquired during the course can prove to be extremely valuable to model and analyse the behaviour of electronic devices, acting in full independence in high-tech areas. The graduate students are able to use state-of-the-art scientific and engineering instrumentation and advanced computer systems.

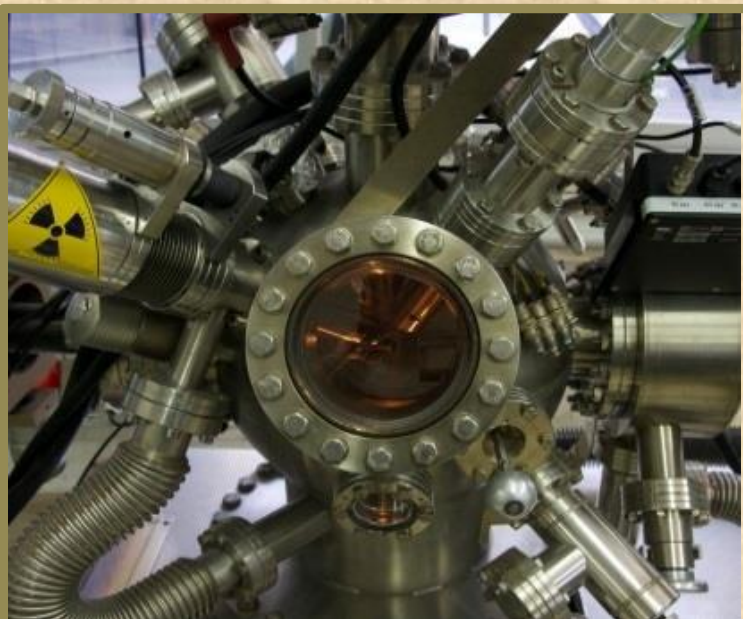


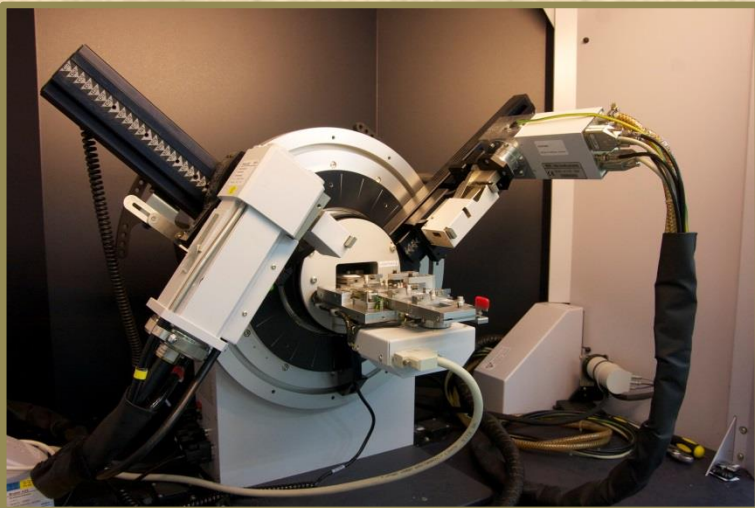
#### - Research activity.

The research experience gathered working on the dissertation project done in close contact with researchers pursuing their work, will enable graduate students to collaborate with research groups in the field.

### PHILOSOPHIAE DOCTOR SCHOOL.

M. Sc. graduates may continue their academic training as graduate students, applying for the Ph. D. programme offered by the MIFT Department.





## ORGANIZATION OF TEACHING ACTIVITY

| FIRST YEAR<br>FIRST PERIOD     | SECOND YEAR<br>FIRST PERIOD                                 |
|--------------------------------|---|
| Advanced Quantum Physics       | Material Physics Laboratory                                 |
| Data Analysis                  | Nanophysics and Nanotechnology                              |
| Statistical Physics            | Micro-Opto Electronic Devices                               |
| Further Language Skills        | Computational Physics                                       |
|                                | Spintronics or Advanced Chemistry<br>or Applied Mathematics |
| SECOND PERIOD                  | SECOND PERIOD   |
| Quantum Field Theory           |   |
| Laboratory                     | Master Thesis   |
| Soldi State Physics            | Final Exam  |
| Quantum Optics and Tecnologies |   |

## LOCATION

Department of  
Mathematics, Informatics, Physics and Earth  
Science

Viale F. Stagno d'Alcontres, 31  
98166 Messina, (ITALY)



## CONTATTI



[www.unime.it/it/dipartimenti/mift](http://www.unime.it/it/dipartimenti/mift)



Fisica – Università di Messina



Fisica\_Unime

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MASTER DEGREE  
IN PHYSICS  
CONDENSED MATTER  
PHYSICS



DIPARTIMENTO DI  
SCIENZE MATEMATICHE E INFORMATICHE  
SCIENZE FISICHE E SCIENZE DELLA TERRA

