

# Introduction à la mécanique quantique

**Lecturer**

Serge MASSAR (Coordinator)

**Course mnemonic**

PHYS-F203

**ECTS credits**

5 credits

**Language(s) of instruction**

French

**Course period**

Second term

## Course content

Schrodinger equation, Dirac formalism, systems of dimension 2, harmonic oscillator.

## Objectives (and/or specific learning outcomes)

Introduction to Quantum Mechanics.

## Pre-requisites and co-requisites

### Courses having this one as pre-requisit

PHYS-F302 | Mécanique quantique | 10 crédits, PHYS-F303 | Physique statistique | 10 crédits, PHYS-F304 | Spectrophysique et Astrophysique | 5 crédits and PHYS-F305 | Physique des particules et Physique Nucleaire | 5 crédits

## Teaching method and learning activities

Oral course given on the blackboard.

## References, bibliography and recommended reading

Mécanique Quantique Volumes I by Claude Cohen-Tannoudji, Bernard Diu, Franck Laloë

## Other information

### Contact(s)

smassar@ulb.ac.be

## Evaluation method(s)

written examination

### Evaluation method(s) (additional information)

written exam.

### Main language(s) of evaluation

French

## Programmes

### Programmes proposing this course at the faculty of Sciences

BA-MATH | Bachelor in Mathematics | unit 3 and BA-PHYS | Bachelor in Physics | unit 2