



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Astrophysics of Gravitational Waves

2122-1-F5802Q008

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#### Aims

Acquire basic knowledge in the field of gravitational waves, which have recently been confirmed as an extraordinary tool for understanding the universe and the objects that populate it.

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#### Contents

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#### Detailed program

##### 1- Theory of gravitational wave emission

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##### 2- Gravitational wave signals from binary systems

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2-gravitational wave signals from binaries

Michele Maggiore: "Gravitational Waves". Book 2, 2018

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## **Semester**

Second semester

## **Assessment method**

Oral examination. The student will first be asked to elaborate on a topic of his choice for about 15-20 minutes. In the rest of the exam, the lecturer will ask other questions covering any of the topics treated during class.

There will be no intermediate examinations nor marked homework.

## **Office hours**

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