



## PHYS2144 Universe models

[15h] 1.5 credits

This course is taught in the 2nd semester

**Teacher(s):** Jean-Marc Gérard  
**Language:** French  
**Level:** Second cycle

### Aims

Introduction to modern cosmology

### Main themes

Cosmological principles;  
 "Best-fit" universe;  
 Big Bang theory and inflation model.

**Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)**

Prerequisites: Theory of restricted relativity, General relativity and cosmology (PHYS 2143).

### Other credits in programs

<b>MATH22/G</b>	Deuxième licence en sciences mathématiques	(1.5 credits)
<b>PHYS21/T</b>	Première licence en sciences physiques (Physique de la terre, de l'espace et du climat)	(1.5 credits)
<b>SINF12BA</b>	Deuxième année d'études de bachelier en sciences informatiques	(1.5 credits)