

PHY1033C DISCOVERING PHYSICS (P) FALL 2022

T 6-7 & R 6 Period (In-Class-Rm NPB1002)

DESCRIPTION:

An overview of the great ideas about the underlying laws of the Universe that shape our daily lives, ranging from the quantum revolution that has led to the modern electronics of our cell phones to the fundamental structure and evolution of our Cosmos. A few simple experiments will be carried out in class.

The course is designed to provide students in the Humanities, the Social Sciences and the non-Physical Sciences an opportunity to learn about the science behind the news breaking topics in current headlines. Writing assignments will be used as well as simple problem solving throughout the course.



First image deep space from Webb space telescope

Courtesy:

NASA(<https://images.axios.com/psoxIhmpwn8dOgZvwaQoceoy10s=/2022/07/11/1657578273079.jpg>)



Helen Quinn:
Peccei-Quinn symmetry
and origin of axions



Axion search ADMX at
University of Washington
(UF part of team)



Vera Rubin:
Discovered dark matter
around galaxies