

Course Number

AST-240-01

Course Description

A laboratory-based course in the observing methods and the astrophysics learned from astronomical studies at radio wavelengths. Topics include the operation of a radio telescope; important emission mechanisms; star formation regions; interstellar gas; interstellar molecular clouds; radio galaxies; and the cosmic microwave background. Student projects will involve observations with Union's 2-meter radio telescope and with the 37-meter radio telescope at the Haystack Observatory in Westford, Massachusetts.

Academic Term

22/FA

Instructor

Marr, Jonathan

Location & Meeting Time

Integrated Science & Engineering Complex-118 T/TH 10:55AM-12:40PM LEC

Credits

1.00

Capacity

18

Total Students

10

Academic Department

Physics and Astronomy

Field Of Study

Astronomy (AST)