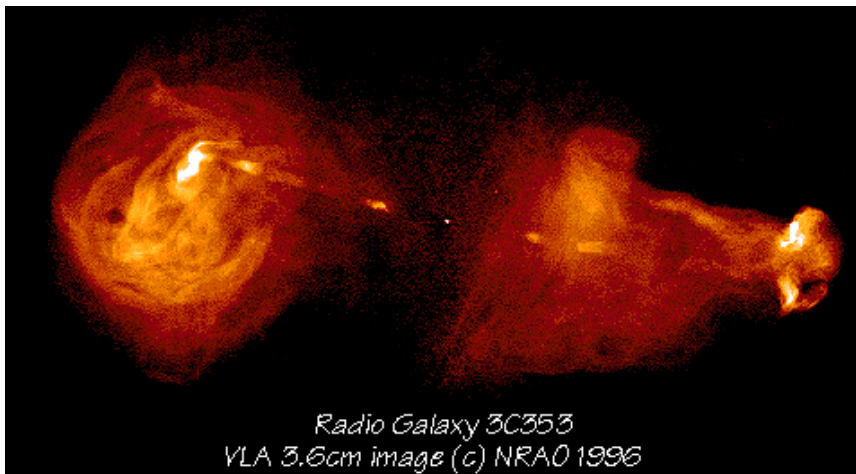
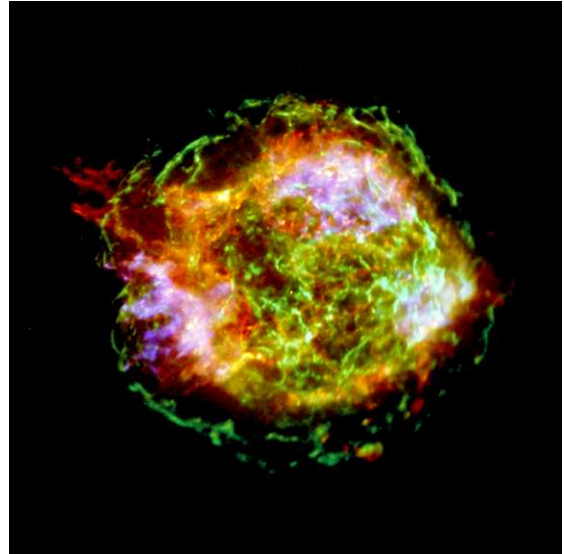


Astronomy Beyond the Solar System (AY206)

AY206 (3 hr) fulfills an Engineering College science elective requirement
MATH 113 or MATH 115 or equivalent is a prerequisite

Go beyond the solar system. Learn how some stars die with a whimper but others die with a bang and are associated with deadly gamma-ray bursts.

Using simple algebra and trigonometry calculate apparent faster than light motions from nearly speed of light jets ejected from black holes.



Calculate the mass of galaxies and clusters of galaxies to find the missing “dark matter”. Determine the energy ejected from the massive black holes in the centers of Active Galactic Nuclei and Quasars.

Finally investigate the mysterious “dark energy” that causes the expansion of the universe to be accelerating in time.

