

COURSE BROCHURE

NASA Missions: Science & Engineering Case Studies

Space Science & Engineering / Space Science & Astronomy

One-time full-course fee

INR 999

Access

6 months course access

Study plan

4-6 weeks suggested self-paced study; 6 months access

Learning format

Six self-paced written learning units in English, developed worked examples, practical exercises, 30 questions with explained answers and a final project with a self-assessment rubric. No scheduled live classes, recorded lecture series, laboratory access or personal marking is included.

Programme overview

A six-module independent self-paced study of mission objectives, engineering trade-offs, observations and evidence. Historical NASA examples supply context; all invented datasets are labelled. No NASA affiliation, endorsement, official training or recruitment outcome is implied. Six self-paced written learning units in English, developed worked examples, practical exercises, 30 questions with explained answers and a final project with a self-assessment rubric. No scheduled live classes, recorded lecture series, laboratory access or personal marking is included. Independent ZELVU learning and preparation. Not affiliated with, endorsed by or certified by NASA, ISRO or IIRS. No engineering degree, professional licence, admission, recruitment or employment is awarded or guaranteed. Current recruitment conditions are set by each official notification. Related courses revisit some foundational physics and data concepts. Each has distinct original lessons and a different project; compare the unit lists before choosing multiple courses.

Who this is for

- 1 School-leaving learners, engineering entrants and adults interested in how space missions connect science with engineering.
- 2 Basic algebra, scientific units and introductory school science.
- 3 A parent or guardian should manage a minor learner's account and purchase.
- 4 Independent ZELVU learning and preparation. Not affiliated with, endorsed by or certified by NASA, ISRO or IIRS. No engineering degree, professional licence, admission, recruitment or employment is awarded or guaranteed. Current recruitment conditions are set by each official notification.

Published topics and learning focus

- 1 Apollo as a case study in mission requirements
- 2 Mars rover decisions under resource constraints
- 3 Hubble and the logic of space observatories
- 4 Earth observation: turning images into evidence
- 5 Mission data: calibration, uncertainty and responsible claims
- 6 Capstone: write a defensible NASA mission case study

Before you choose

- 1 These are published programme highlights, not certification of complete syllabus coverage. Review the available reading index and programme trial before enrolling.
- 2 ZELVU provides learning support. It does not award the underlying degree, professional registration or an examination result.
- 3 Current checkout terms and refund policy apply. Payment and access require successful provider verification.

Take the next step

[Explore the programme trial](#)

[View current details, scope and terms](#)[Ask ZELVU about this programme](#)

Save this brochure for reference. Details can change: confirm the current programme page and checkout before making a purchase.