

# MODULE A

## The Design Process



45 mins



### OVERVIEW

In this module we will look at the design process and understanding project requirements and why we care about them, how to verify and validate our design, and what a design review is. This will help allow students to understand what they will need in order to prepare for Preliminary Design Review (PDR), Critical Design Review (CDR) and the Launch Readiness Review (LRR)

### MATERIALS

- Computer/laptop
- Internet Access
- Link to Slide Templates

### PREREQUISITES

- This is a stand alone module and can be completed at any point.
- No prerequisites for this module

Complete Prerequisites and have all Materials before continuing to activity

1

#### Systems Approach

- Why do we care about looking at a systems approach?
- Learn about the design process

2

#### The Design Process

- Learn about mission statements
- Learn about CONOPS
- Learn about Requirements

3

#### Design Reviews

- What is a Design review
- Expectations of reviews
- Create your own presentations

Module Video:  
[Design Process](#)



### NEXT STEPS

After completing all aspects of this module, you can move on to your next module