



AM212

Adapt Case Study Course

Module 1: Introduction and Considerations

Lesson 1: Introduction

- Welcome to the AM212 Adapt Case Study Course
- Course Outcomes
- Course Orientation and Tips
- Additive Manufacturing Flight Check™
- When to Adapt for Additive Manufacturing
- Part Chosen for Adaptation

Lesson 2: Considerations

- Considerations
- Industry Requirements
- Alternative Methods Review
- Advantages and Disadvantages to Adapting

Module 2: Process Planning to Adapt the Bracket

Lesson 3: Introduction: Example Workflow

- Review Section: Acquiring the CAD file
- Workflow for AM Adapt

Module 3: Design to Adapt the Bracket

Lesson 4: Introduction: Ways to Adapt the Bracket

- Process, Method, and Design
- Adapt: Overview of Design Techniques

Module 4: Print and Post-Process

Lesson 5: Printing the Bracket

- Orientation
- Flight Check: Things to Consider Before Printing
- Post-Processing for the Bracket Review
- Adapt Assignment 1

Module 5: Conclusion and Student Submission

Lesson 6: Conclusion/ Student Submission



Adapt Assignment 2