



AM213

Optimize Case Study Course

MODULE 1: Introduction and Considerations

Lesson 1: Introduction

- Course Introduction
- Course Orientation and Tips

Lesson 2: Considerations

- When to Optimize?
- Case Studies

MODULE 2: Design to Optimize

Lesson 3: Optimizing design to maximize value

- Advantages and Disadvantages of Optimizing a Part
- Reducing Production Time and Cost
- Light Weighting, Removing Material
- Improving Part Function
- Coalescing Assemblies
- Life Cycle Cost Analysis
- Putting It All Together
- Assignment 1

Lesson 4: Generative Design

- Basics/Fundamentals of Generative Design
- Assignments 2 and 3