This module provides a comprehensive understanding of structural repairs as applied to metallic and non-metallic items.

**Learning objectives**

After completing this course, participants will be able to:

- Describe structural repair process and techniques;
- Analyze a structural repair manual.

**Prerequisites**

- Aircraft architecture and structure knowledge;
- Engineering background.

* not compulsory

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**Highlights**

- Structural repairs in practice
- Industrial expertise

**Key elements**

- **Dates:** 3 - 5 November 2021 (exam: 18 November 2021*)
- **Duration:** 13 hours
- **For whom:** recent graduates, jobseekers and experienced employees
- **Location:** ISAE-SUPAERO, Toulouse
- **Course fees:** 1 600 €
- **Language:** English

**Practical information and registration**

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Course content

Structural repairs:

- Categories of damages
- Repair scenarios and criteria
- Common methodologies and state-of-the art rules
- Repair definition justification
- Airworthiness approval process
- Structural repair manual
- Case studies

Teaching methods

<table>
<thead>
<tr>
<th>Teaching methods</th>
<th>Yes</th>
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<tbody>
<tr>
<td>Lectures / tutorial</td>
<td>X</td>
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<tr>
<td>Collaborative learning</td>
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<td>Flipped classroom</td>
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<td>Blended learning (online and face to face)</td>
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<tr>
<td>Learning by doing</td>
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<tr>
<td>Project-based</td>
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<td>Simulation</td>
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<td>Case study</td>
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Assessment

- Written test
- Marked seminars