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

Prerequisites

- Aircraft architecture and structure knowledge;
- Engineering background.

Learning objectives

After completing this course, participants will be able to:

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

Key elements

Dates: October 26 to 28, 2022 (exam: 15 November 2022)
Duration: 12 hours
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Course fees: €1,600
Language: English

Highlights

- Structural repairs in practice
- Industrial expertise

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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<tr>
<td>Flipped classroom</td>
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<td>Blended learning (online and face to face)</td>
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<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