The main objective of this subject is to gain insight, understand the underlying technological foundations & market forces so that one can guess where 5G & AI will be in Gartner’s Technology Forecast 2025.

Learning objectives of the subject

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Study load

<table>
<thead>
<tr>
<th>Total learning time:</th>
<th>125h</th>
<th>Hours large group:</th>
<th>39h</th>
<th>31.20%</th>
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<td></td>
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<td>Hours medium group:</td>
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<td></td>
<td></td>
<td>Hours small group:</td>
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<td>Guided activities:</td>
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<td>Self study:</td>
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<td>68.80%</td>
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# 230724 - AI5G - Artificial Intelligence-Enabled 5G Radio Networks

## Content

<table>
<thead>
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<th>ARTIFICIAL INTELLIGENCE-ENABLED 5G RADIO NETWORKS</th>
<th>Learning time: 39h</th>
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<tr>
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<td>Theory classes: 39h</td>
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**Description:**

1. 5G ecosystem
2. 5G system design
3. 5G New Radio
4. Radio network management in NG-RAN
5. Radio resource management in NG-RAN
6. Telemetry and data analytics

**Specific objectives:**

1. 5G ecosystem
2. 5G system design
3. 5G New Radio
4. Radio network management in NG-RAN
5. Radio resource management in NG-RAN
6. Telemetry and data analytics

## Qualification system

- Practical use case (80%)
- Participation (20%)
- No final exam

## Bibliography