# Module description

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tr>
<td>Coating Technologies based on Vapour Deposition</td>
<td>11-BVG-152-m01</td>
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## Module coordinator
Managing Director of the Institute of Applied Physics

## Module offered by
Faculty of Physics and Astronomy

### ECTS
5

### Method of grading
Numerical grade

### Duration
1 semester

### Module level
Graduate

## Contents
Physical technical principles of PVD and CVD installations and processes. Coating deposit and layer characterisation. Application of layer materials on an industrial level.

## Intended learning outcomes
The students have advanced knowledge of coating deposit processes in the gaseous phase and gain insights into their industrial relevance and variety.

## Courses
- V (3) + R (1)
- Module taught in: German or English

## Method of assessment
- Written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).
- If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.
- Assessment offered: Once a year, summer semester
- Language of assessment: German and/or English

## Allocation of places
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## Additional information
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## Referred to in LPO I
(examination regulations for teaching-degree programmes)

## Module appears in
- Bachelor’ degree (1 major) Nanostructure Technology (2015)
- Master’s degree (1 major) Functional Materials (2016)