**Module title**: Nanomatrix Semiconductor Processing

**Abbreviation**: 11-NM-HP-072-m01

**Module coordinator**: Managing Director of the Institute of Applied Physics

**Module offered by**: Faculty of Physics and Astronomy

**ECTS**: 6

**Method of grading**: Numerical grade

**Duration**: 1 semester

**Module level**: Undergraduate

**Other prerequisites**: --

### Contents

Principles and specific knowledge of engineering work in the application fields of energy engineering, electronics, photonics and biophysics as well as in the technology-oriented materials sciences, technologies of nanstructuring, components and system development, especially in the field of semiconductor processes.

### Intended learning outcomes

The students have advanced knowledge of one or more application or technology areas of engineering work, especially in the field of semiconductor processes.

### Courses

V + R (no information on SWS (weekly contact hours) and course language available)

### Method of assessment

(a) written examination (approx. 90 minutes) or (b) talk (approx. 30 minutes) or (c) oral examination of one candidate each or oral examination in groups (approx. 30 minutes) or (d) project report (approx. 10 pages)

### Allocation of places

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### Additional information

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### Referred to in LPO I

(examination regulations for teaching-degree programmes)

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### Module appears in

Bachelor’s degree (1 major) Nanostructure Technology (2008)

Bachelor’s degree (1 major) Nanostructure Technology (2007)

Master’s degree (1 major) Technology of Functional Materials (2010)

Master’s degree (1 major) Technology of Functional Materials (2009)