### Module title
Nanomatrix semiconductor materials

### Abbreviation
11-NM-HM-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

### Only after succ. compl. of module(s)
--

### 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 nano-structuring, components and system development, especially in the field of semiconductor materials.

### 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 materials.

### 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
--

### Additional information
--

### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### 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)