Module title: Nanomatrix insulation systems and photovoltaics

Module coordinator: Managing Director of the Institute of Applied Physics

Module offered by: Faculty of Physics and Astronomy

ECTS: 6

Module level: undergraduate

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 nanostructuring, components and system development, especially in the field of thermal insulation systems and photovoltaics.

Intended learning outcomes:
The students have advanced knowledge of one or more application or technology areas of engineering work, especially in the field of thermal insulation systems and photovoltaics.

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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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)