The curriculum

**SEMESTER 1**
- Energy materials 6
- Statistical Physics and Cond. Mat. Theory I 6
- Superconductivity 6
- BEC 6
- Quantum optics 6

**SEMESTER 2**
- Photovoltaics 6
- Ultrafast laser physics 6
- Hydrodynamics 6
- Photo-synthesis 6
- Nanophotonics 6
- Fermi quantum gases 6

**OBLIGATORY COURSES**
- Academic skills; English
- Entrepreneurship for physicists
- Survival guide for phys. and Astr.
- Critical thinking
- Science in perspective

**PROJECT OR LITERATURE STUDY**
- Small Project or Literature study

**RESEARCH SHOWCASE**
- Mathematica for physicists
- Statistical Mechanics of Soft Matter (Theory)
- Soft condensed matter & biological physics
- BEC
- Surface and Interface Science

**COURSES**
- Atomic quantum physics
- Emergent & energy materials
- Soft & bio matter
- AMEP 2015-2016
- Nano-photonics
- Photo-synthesis
- Fermi quantum gases
- Photovoltaics
- Ultrafast laser physics
- Hydrodynamics
- Statistics and Condensed Matter (Theory)
- Energy materials
- Superconductivity
- BEC
- Quantum optics
- Photovoltaics
- Nanophotonics
- Fermi quantum gases
- Physics of Art Conservation
- Surface and Interface Science
- Science and Technology of Nanolithography