

Module: Elective Advanced Lectures: Applied Physics

Module No.: physics70b

Course: "Energy Production" (A)

Course No.: physics778

Category	Type	Language	Teaching hours	CP	Semester
Elective	Lecture	English	2	3	WT/ST

Requirements for Participation:

Preparation:

Physik I-V (physik110-physik510)

Form of Testing and Examination:

Written or oral examination

Length of Course:

1 semester

Aims of the Course:

The course intends to provide an overview in the field of today's challenges in "energy production" from a physics point of view.

Contents of the Course:

Energy storage & transport

Nuclear power

- Solar (photovoltaics, thermal, wind, water)
- Geothermal
- Reactors (fission / fusion)

Moon power (tidal power plants)

Recommended Literature:

Will be given during the course