

<b>Module:</b>	<b>Elective Advanced Lectures: Applied Physics</b>
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Module No.: physics70b

<b>Course:</b>	 <b>"Energy Production" (A)</b>
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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