Degree: M.Sc. in Physics (PO von 2006)

Modules:
- physics700 Elective Advanced Lectures
- physics720 Applied Physics

Course: Environmental Physics & Energy Physics (A)

Course No.: physics771

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Requirements:

Preparation:
Physik I-V (physik110-physik510)

Form of Testing and Examination:
Active contributions during term and written examination

Length of Course:
1 semester

Aims of the Course:
A deeper understanding of energy & environmental facts and problems from physics (and, if needed, nature or agricultural science) point of view

Contents of the Course:
After introduction into related laws of nature and after a review of supply and use of various resources like energy a detailed description on each field of use, use-improvement strategies and constraints and consequences for environment and/or human health & welfare are given.

Recommended Literature:
- Fricke, J., Borst, W., Energie, Oldenbourg 1986
- Bobin, J. L., Huffer, E., Nifenecker, H., L'Energie de Demain, EDP Sciences 2005
- Thorndyke, W., Energy and Environment, Addison Wesley 1976
- Schönwiese, C. D., Diekmann, B., Der Treibhauseffekt, DVA 1986

May 2016