Course: Research Skills — credits: 5

Course code	RWVM23ETP
Name	Research Skills
Study year	2026-2027
ECTS credits	5
Language	English
Coordinator	P.M. Gomes Lourenco
Modes of delivery	Education
Assessments	Assignment PV - Assignment Professional Skills - Assignment

Learning outcomes

Objective of the module:

At the completion of this module the students are competent:

1. In conducting applied research, by formulating a problem and knowledge gap, employing specific research methods, collecting relevant data, and drawing conclusions from the results achieved, showing a reflective and critical attitude towards the possibilities and limitations of the scientific methods used and the research outcomes.
2. In to timely achieve set goals in a(n) (international, multicultural and) multidisciplinary (project) team
3. To communicate in a clear and structured way in both written and oral form to the client and other stakeholders, and in English to the scientific community
4. In addressing (reflecting on) relevant political, social, legal, environmental and economic aspects of renewable energy implementation

Content

This module consists of 2 courses:

1. Research Methodology and Research Project (5 EC) Research methodology is introduced with the aim to teach students how to design, conduct and report proper applied and design research results.
2. Professional Skills and Mentoring (Pass or Fail)
   The course Professional Skills and Mentoring covers the guidance in the personal professional development of the student, in presentation skills and in project based working.
   After this topic the student is able to make
   1. a reflection of the students professional development, which is discussed with his mentor. This reflection will be based on the PDCA-approach.
   2. a self-evaluation report and re-orientation, based on the student's progress during the core semester.

Included in programme(s)

European Master in Renewable Energy

School(s)

Engineering, Life Sciences & ICT

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