

Course: Thesis Research Project

credits: 30

Course code	RWVM23THP
Name	Thesis Research Project
Study year	2026-2027
ECTS credits	30
Language	English
Coordinator	H.M. Moesker

Modes of delivery	Graduation project
Assessments	Thesis Research Project - Presentation

Learning outcomes

The Master thesis project is the graduation programme in which the student shows that they possess the qualifications of a Renewable Technology Engineer as defined within the Programme learning Outcomes on master level:

1. **Renewable Technology:** The EMRE graduate is competent in applying key technical features of prevailing renewable energy technologies, their integration in energy systems and their contribution in climate and resource issues.
2. **Aspects of Renewable Technology implementation:** The EMRE graduate is competent to address relevant political, social, legal, environmental and economic aspects of renewable energy implementation
3. **Specialism:** The EMRE graduate is competent in in-depth knowledge and understanding of at least one of the specialisation fields: Photovoltaics, Wind Energy, Grid Integration, Solar Thermal, Ocean Energy, Sustainable Fuel Systems
4. **Applied Scientific Research:** The EMRE graduate is competent 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.
5. **Critical view:** The EMRE graduate is competent to critically assess (inter)national developments, trends and ideas in society, policy, and to translate these innovations in professional practice and scientific study
6. **Project work:** The EMRE graduate is competent to timely achieve set goals in a(n) (international, multicultural and) multidisciplinary (project) team
7. **Communication:** The EMRE graduate is competent 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

Content

The Master thesis project is the graduation programme in which the student shows that they possess the qualifications of a Renewable Technology Engineer as defined within the Programme learning Outcomes on master level:

1. **Renewable Technology:** The EMRE graduate is competent in applying key technical features of prevailing renewable energy technologies, their integration in energy systems and their contribution in climate and resource issues.
2. **Aspects of Renewable Technology implementation:** The EMRE graduate is competent to address relevant political, social, legal, environmental and economic aspects of renewable energy implementation
3. **Specialism:** The EMRE graduate is competent in in-depth knowledge and understanding of at least one of the specialisation fields: Photovoltaics, Wind Energy, Grid Integration, Solar Thermal, Ocean Energy, Sustainable Fuel Systems
4. **Applied Scientific Research:** The EMRE graduate is competent 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.
5. **Critical view:** The EMRE graduate is competent to critically assess (inter)national developments, trends and ideas in society, policy, and to translate these innovations in professional practice and scientific study
6. **Project work:** The EMRE graduate is competent to timely achieve set goals in a(n) (international, multicultural and) multidisciplinary (project) team
7. **Communication:** The EMRE graduate is competent 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

Included in programme(s)

European Master in Renewable Energy

School(s)

Engineering, Life Sciences & ICT