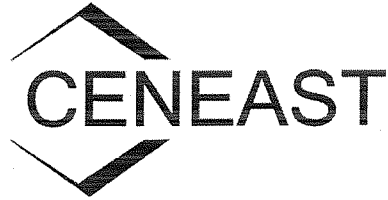




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## Peer Review

Use this form to complete course peer review.

<b>Course Title:</b> Renewable Energy
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Please rate the course in terms of each of these categories (adding any extra comments where necessary):

	Criteria	Very Good	Good	Average	Poor	Very Poor
1. Introduction & Module Details	1.1 Students are introduced to the purpose and structure of the module	+				
	1.2 Prerequisite knowledge in the discipline and/or any required competencies are clearly stated				+	
	1.3 Module contents are in line with labour market needs		+			
	<b>Comments</b>	1.1 Purpose of the module is given. Learning results are given in details. Structure of the module and schedule are provided. 1.2 No prerequisite knowledge in the discipline is given. Required competencies should be provided in order to evaluate students' readiness to be taught this course. 1.3 Utilization of renewable energy is an important branch of modern industry. Market of small-scale renewable power generation is constantly growing. But it's still not the main line of development of the power engineering.				
2. Aims and intended learning outcomes	2.1 Module aims describe outcomes that are measurable	+				
	2.2 Aims and learning outcomes are stated clearly and written from the students' perspective	+				
	2.3 Learning outcomes are appropriately designed for the level of the course	+				



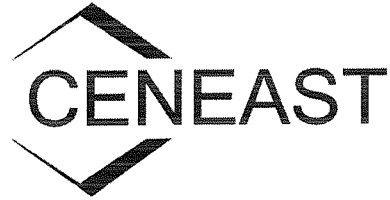
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	2.4 Aims and learning outcomes are consistent with labour market requirements		+				
	<b>Comments</b>	<p>2.1 Gained skills and their practical application can be evaluated.</p> <p>2.2 Aims and learning outcomes are stated correctly and completely understandable.</p> <p>2.3 Learning outcomes correspond with the level of the course.</p> <p>2.4 Learning outcomes correspond to the needs of labour market in general. Module provides detailed information on general problems of renewable energy while lacking some practical aspects of small scale renewable power generation which is typical for modern built environment.</p>					
3. Learning Plan & Module Structure	3.1 Module is well structured and balanced	+					
	3.2 Module topics meet labour market requirements		+				
	3.3 Learning plan is adequate, lectures are well planned	+					
	3.4 Module structure is consistent with aims and learning outcomes	+					
	<b>Comments</b>	<p>3.1 Module is well structured: lectures are divided into several topics from the perspective of origin of renewable energy sources.</p> <p>3.2 Module topics cover a wide field of knowledge. In this case lectures can cover only common aspects of renewable energy.</p> <p>3.3 Teaching material is structured and divided in parts, teaching process is well planned.</p> <p>3.4 Module structure is consistent with aims and learning outcomes.</p>					
4. Teaching methods	4.1 Teaching methods are clearly explained	+					
	4.2 Teaching methods promote the achievement of the stated learning outcomes	+					
	4.3 Teaching methods support active, individualized student learning	+					
	<b>Comments</b>	<p>4.1 Teaching methods are explained in a separate chapter of the handbook.</p> <p>4.2 Teaching is based on modern learning methods including distance learning and work in virtual environment which</p>					



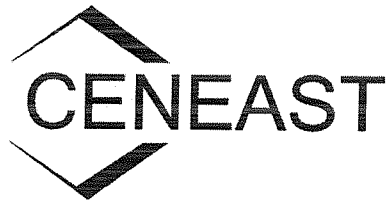
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		provide the achievement of the stated learning outcomes. 4.3 Individualized student learning is supported by providing a lot of additional sources of information, Internet resources for studying and practicing for student's self-study process.				
5. Module assessments and assessment procedure	5.1 The types of assessment selected measure the stated learning aims and are consistent with course activities and resources	+				
	5.2 The course grading policy is stated	+				
	5.3 Specific and descriptive criteria are provided for the evaluation of students' work and participation and are tied to the course grading policy	+				
	5.4 The assessment instruments selected are sequenced, varied, and appropriate to the content being assessed		+			
	5.5 Students have multiple opportunities to measure their own learning progress	+				
	5.6 Assessment is in line with the requirements of relevant professional bodies		+			
	<b>Comments</b>	<p>5.1 The selected types of assessment measure the stated learning aims and are consistent with course activities and resources. Exam provides assessment of theoretical knowledge while course work reflects students' practical skills.</p> <p>5.2 Clear course grading policy is stated. Formula for cumulated mark is provided. Assessment schedule, assessment submission instructions and deadlines for any submissions, penalties for late submission of assessments are given.</p> <p>5.3 Assessment criteria are provided.</p> <p>5.4 The assessment instruments selected are sequenced.</p> <p>5.5 Students have a lot of opportunities to measure their own learning progress. For this purpose self-examination questions are provided at the end of each topic. Also self-assessment can be performed by using e-learning system.</p> <p>5.6 Assessment is in line with the requirements of relevant professional bodies. But in practice there are different</p>				



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		requirements in different countries.				
6. Assessment feedback	6.1 Feedback on assignments is clearly stated	+				
	6.2 Feedback is given in ways that promote students' learning	+				
	6.3 Feedback is given on all assessed work	+				
	6.4. Feedback is available to all students on request	+				
	6.5 Feedback is relevant, informative and fit for purpose	+				
	6.6 Feedback is timely and given within a reasonable timescale	+				
	6.7 Feedback is appropriate to the nature of the assessment task	+				
	<b>Comments</b>	<p>6.1 Feedback on assignments is clearly stated. Exam test feedback is received immediately. Course work feedback is received within 5 days period.</p> <p>6.2 Feedback is given in ways that promote students' learning.</p> <p>6.3 Feedback is given on all assessed work: exam and course work.</p> <p>6.4 Feedback is available to all students on request.</p> <p>6.5 Feedback is relevant, informative and fits for purpose.</p> <p>6.6 Feedback is timely and given within a reasonable timescale. Feedback on course work assessment is given within 5 working days of the submission date of the work.</p> <p>6.7 Feedback is appropriate to the nature of the assessment tasks: test questions and course work.</p>				
7. Staff details and sources of help	7.1 Responsibilities of staff are clearly declared	+				
	7.2 Technical support is offered and accessible for students				+	
	7.3 Academic support services are provided and accessible for students	+				
	7.4 Course instructions articulate or link to an explanation of how the				+	



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	institution's student support services can help students succeed and how students can access the services					
	<b>Comments</b>	7.1 Responsibilities of staff are declared. 7.2 Technical support is only mentioned in the Handbook. No instructions or contacts are provided. 7.3 Academic support services and contacts are provided. 7.4 No information on the institution's student support services is given.				
8. Teaching materials	8.1 Teaching materials contribute to the achievement of the stated aims and learning outcomes	+				
	8.2 The relationship between the materials and how the materials are to be used for learning activities are clearly explained				+	
	8.3 All resources and materials used in the course are appropriately cited	+				
	8.4 The materials are up to date	+				
	8.5 The materials present a variety of perspectives on the course content	+				
	8.6 The distinction between required and optional materials is clearly explained				+	
	8.7 The materials are supported with practical tasks	+				
	8.8 The materials respond to labour market needs			+		
	<b>Comments</b>	8.1 Teaching materials contribute to the achievement of the stated aims and learning outcomes. 8.2 No explanations on usage of the materials are provided. 8.3 All resources and materials used in the course are appropriately cited. 8.4 The materials are up-to-date; a lot of well-known modern				



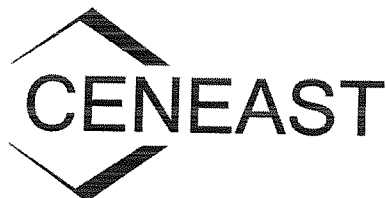
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		<p>authors are cited in references.</p> <p>8.5 The materials present a variety of perspectives on the course content – opinions and research results of different authors from different countries are provided.</p> <p>8.6 No distinction between required and optional materials is explained.</p> <p>8.7 Each chapter is provided with practical tasks.</p> <p>8.8 The materials are up-to-date and respond to labour market needs. However covering the field in general materials are lacking of some practical aspects.</p>				
9. Quality of computer learning system	9.1. Computer learning system contributes to the achievement of the stated aims and learning outcomes	+				
	9.2. Material uploaded in computer learning system is up to date	+				
	9.3. Calculators, video and open source software are practically used in assignments		+			
	9.4. Computer learning system is easy to manage	+				
	9.5. Computer learning system has good interface	+				
	9.6. Computer learning system is innovative learning tool	+				
	9.7. The system (calculator, video, open source software) present a variety of perspectives on the course content	+				
<b>Comments</b>	<p>9.1. Computer learning system contributes to the achievement of the stated aims and learning outcomes, especially in achieving practical competences.</p> <p>9.2 Material uploaded in Computer Learning System is up to date.</p> <p>9.3 Calculators, video and open source software are practically used in assignments. But in practice different software is used in engineering calculations. So that student receives only general information on this software.</p> <p>9.4 Computer learning system is easy to manage even for non-prepared user.</p> <p>9.5 Computer learning system has good interface. Information is easily accessible</p>					



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		<p>9.6 Computer learning system is a modern learning solution which can also be used for further professional development.</p> <p>9.7 Computer learning system contains different sources of information: traditional and well-known as well as modern and innovative.</p>
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Please list 3 aspects of the course which demonstrate good practice and why:

- 1) Course provides up-to-date knowledge in the field of renewable energy which is very important to understand for modern power engineering specialists.
- 2) Course covers all common aspects of modern renewable energy sources and their utilization
- 3) Course helps students to develop important practical skills needed for their further professional activities in the field of built environment.

Please list 3 aspects of the course where improvements could be made and why:


- 1) Course covers only most common aspects of renewable energy lacking some practical aspects of small scale renewable power generation which is typical for modern built environment
- 2) Instructions on proper usage of module contents should be added for better understanding of learning process.
- 3) Additional instructions should be added on students' technical support system.

Please give any other comments about the course:

General assessment of the course is positive, only minor corrections are recommended.

This review was prepared by:

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 N. Pusko/

Director of «Kaliningradteplogazproekt»,

Design engineering bureau

