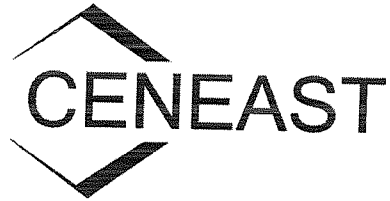




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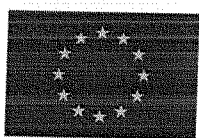
Peer Review

Use this form to complete course peer review.

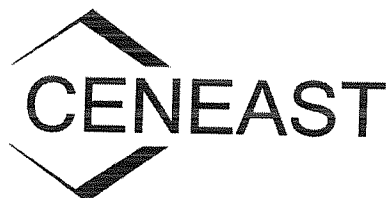
Course Title: Renewable Energy

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	+				
	Comments	1.1 Purpose of the module is formulated for short. Learning results are listed. Structure, content and schedule of the module are given. 1.2 No required competencies are listed. Only gained skills are given. This information should be provided to plan the whole studying process correctly. 1.3 Module contents are in line with labour market needs – renewable energy is a very important and promising field of modern 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	+				



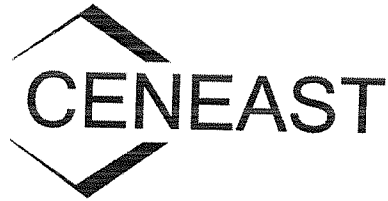
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	2.4 Aims and learning outcomes are consistent with labour market requirements	+				
	Comments	<p>2.1 Module learning outcomes are measurable and can be evaluated.</p> <p>2.2 Learning outcomes clearly describe what knowledge and skills students will get after completion of the course.</p> <p>2.3 Learning outcomes are appropriately designed for the level of the course – Bachelor studies.</p> <p>2.4 Aims and learning outcomes correspond with labour market requirements in the field of renewable energy engineering.</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	+				
	Comments	<p>3.1 Module is well structured and balanced. However small difference in depth of studying material exists.</p> <p>3.2 Module topics correspond with labour market requirements.</p> <p>3.3 Learning plan is adequate, whole course schedule is provided. Lectures are well structured. No schedule for separate lectures is provided while some topics are taught for two - three weeks.</p> <p>3.4 Module structure provides studying in consecutive stages to achieve module aims.</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		+			
	Comments	<p>4.1 Detailed description of teaching methods is provided in the handbook.</p> <p>4.2 Teaching methods provide all necessary capabilities for students to gain new skills. But the success depends mostly on students will. From this point of view no measures for</p>				



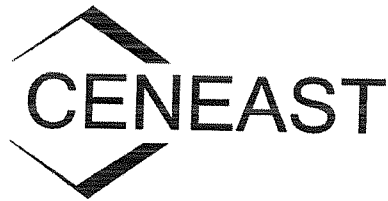
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		stimulating of the studying process are involved. 4.3 Students are provided with a wide range of different sources of information. But no methods of encouraging students for active studying are describes.				
5. Module assessments and assessment 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	+				
Comments	<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 as knowledge and competences that are</p>					



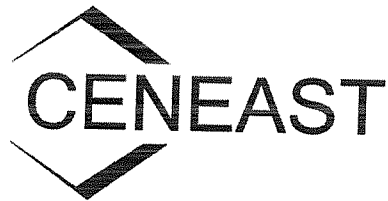
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		needed in labour market assessed.				
6. Assessment feedback	6.1 Feedback on assignments is clearly stated	+				
	6.2 Feedback is given in ways that promote students' learning		+			
	6.3 Feedback is given on all assessed work	+				
	6.4. Feedback 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	+				
	Comments	<p>6.1 Feedback on assignments is clearly stated. Students receive feedback immediately after completion of the exam test.</p> <p>6.2 Feedback is given in ways that promote students' learning by showing the wrong answers in e-test. But in fact student's learning is promoted by his (hers) own will.</p> <p>6.3 Feedback is given on all assessed work: exam and course work.</p> <p>6.4 Feedback is available to all studentson 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				+	



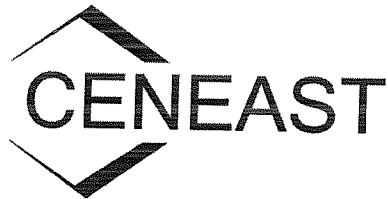
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	<p>explanation of how the institution's student support services can help students succeed and how students can access the services</p>					
	<p>Comments</p>	<p>7.1 Responsibilities of staff are clearly declared in the Handbook. 7.2 It is clear from Module handbook that technical support is offered and accessible for students, indeed it is recommended to indicate the responsible staff for technical support and provide contact details. 7.3 Academic support services are provided and accessible for students. Contact details are given. 7.4 No information on the institution's student support services is provided.</p>				
<p>8. Teaching materials</p>	<p>8.1 Teaching materials contribute to the achievement of the stated aims and learning outcomes</p>	<p>+</p>				
	<p>8.2 The relationship between the materials and how the materials are to be used for learning activities are clearly explained</p>			<p>+</p>		
	<p>8.3 All resources and materials used in the course are appropriately cited</p>	<p>+</p>				
	<p>8.4 The materials are up to date</p>	<p>+</p>				
	<p>8.5 The materials present a variety of perspectives on the course content</p>	<p>+</p>				
	<p>8.6 The distinction between required and optional materials is clearly explained</p>			<p>+</p>		
	<p>8.7 The materials are supported with practical tasks</p>	<p>+</p>				
	<p>8.8 The materials respond to labour market needs</p>		<p>+</p>			
	<p>Comments</p>	<p>8.1 Wide range of teaching materials contribute to the</p>				



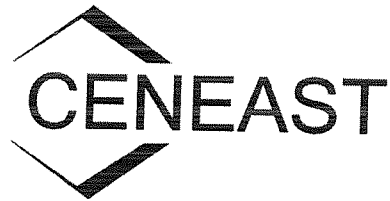
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		<p>achievement of learning outcomes.</p> <p>8.2 The relationship between the materials is understandable for prepared student. But because of lacking of required competencies additional information on usage of learning materials should be provided.</p> <p>8.3 All resources and materials used in the course are appropriately cited.</p> <p>8.4 Most of the materials are up-to-date. Several sources contain some outdated information but provide excellent teaching materials.</p> <p>8.5 A huge variety of sources of information of different authors from different scientific schools provide a wide range of opinions on described problems.</p> <p>8.6 Handbook provides only one list of recommended literature. No distinctions are given.</p> <p>8.7 The materials are supported with practical tasks that are provided after each topic.</p> <p>8.8 The materials respond to labour market needs.</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	+				
	Comments	<p>9.1. Computer learning is a modern solution that helps student to understand theoretical material and perform practical exercises</p> <p>9.2 Students are provided with up-to-date studying materials including books, articles, graphic information and videos.</p>				



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		<p>9.3 Calculators, video and open source software are provided to introduce students to modern software solutions.</p> <p>9.4 Computer learning system is user friendly and contains all needed information.</p> <p>9.5 Computer learning system has good interface and is well organised and handy to use.</p> <p>9.6 Computer learning system is a modern learning solution that provides new capabilities for students.</p> <p>9.7 Computer learning system contains different information from different authors. Different points of view are provided.</p>
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Please list 3 aspects of the course which demonstrate good practice and why:

- 1) Course helps to achieve significant and measurable learning outcomes that correspond to labour market needs.
- 2) Course is carefully planned; materials are divided into logical parts.
- 3) Course is supported with up-to-date learning materials, virtual learning environment and additional resources for students' self-education.

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

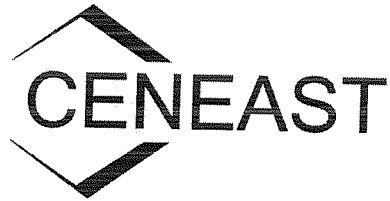
- 1) More explanations on prerequisite knowledge in the discipline and/or any required competencies should be provided in order to plan the whole studying process correctly and evaluate students' preparedness for attending this course.
- 2) Clear assessment criteria for tasks should be provided in order to inform students how their achievements will be evaluated.
- 3) More instructions on learning materials (list of literature) should be added to help students to find the proper source for each topic.

Please give any other comments about the course:

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



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This review was prepared by:

Associated professor, Cand. Sc. (Eng.) Alexander Filonov,

/A. Filonov/

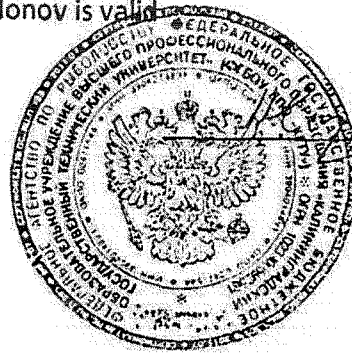
Department of Shipboard Power Plants and Thermal Power

Kaliningrad State Technical University

The signature of associated professor A. Filonov is valid

Learned secretary of the university

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/A. Smirnova/