HEAT EXCHANGE

In the situation of suspension of the University, the following forms of credit will be carried out using distance learning methods and techniques that ensure their control.

Rules for passing lectures

The examination in Heat exchange is written and consists of three questions from heat exchange, for which 2 points each can be obtained, i.e. 6 points in total.
For grade 5.0 the student should get from 5.01 to 6.00 points.
For grade 4.5 the student should get from 4.51 to 5.00 points.
For grade 4.0 the student should get from 3.51 to 4.50 points.
For grade 3.5 the student should get from 2.51 to 3.50 points.
For grade 3.0 the student should get from 2.00 to 2.50 points.
A score below 2 points means a failing grade (grade 2.0).

There are two examination dates: an examination date and a resit examination date. A student who did not take the exam on time and did not justify his/her absence within 3 working days from the exam date - loses this date. Unexcused absence from the exam is equivalent to the student's failure to take the exam and results in a failing grade (grade 2.0) being entered by the lecturer.

Rules for passing laboratory classes

The requirements for passing are: attendance at classes (it is possible to miss three 1.5 hour classes without excuse, the next missed classes must be excused, otherwise the student does not pass the laboratory classes), completion of all experiments and reports for each experiment by a team of students, and passing a written test with a grade of at least sufficient (grade 3.0).

As stated above, one of the prerequisites for passing a laboratory class is to perform all the experiments, therefore, in case of absence from the class, the student must make up the missed experiment and make a report based on the measurement results obtained.

The reports should include the name of the performer, the results of measurements signed by the laboratory instructor and full calculations of all physical quantities. All formulas with inserted values of physical quantities, the results of calculations, as well as units should be presented. The reports can be handwritten, but should be legible. In case of errors, the reports will have to be corrected. The grade from the report will depend on the correctness and timing of the report. Reports on the initial eight experiments, i.e. experiments 1, 2, 4, 6, 8, 10, 12, 13 must be handed in to the lab instructor by 19 December 2024 (group 3), by 20 December 2024 (group 2) and by 16 January 2025 (group 1).

Before the class, the student should read the laboratory manual for the class and, after reading it, should know the aim of the experiment, the equipment description and the experimental procedure.

In the written test, students answer from a set of questions on the subject of the experiments (theory from the laboratory manuals). The set of questions is known to the students in advance, as they receive it at the beginning of the semester. The written test consists of 5 questions (selected from this set of questions by the laboratory instructor), for which 2 points each can be obtained, i.e. 10 points in total.
For grade 5.0 the student should get from 9.01 to 10.00 points.
For grade 4.5 the student should get from 8.51 to 9.00 points.

For grade 4.0 the student should get from 7.51 to 8.50 points.
For grade 3.5 the student should get from 6.51 to 7.50 points.
For grade 3.0 the student should get from 6.00 to 6.50 points.
A score below 6 points means a failing grade (grade 2.0).

There are two test dates: a test date (12 December 2024 for group 3, 13 December 2024 for group 2 and 19 December for group 1) and a resit test date. A student who did not write the test on time and did not justify his/her absence within 3 working days from the test date - loses this date.

Then each student must make calculations for experiments 3, 5, 7, 9 and hand them in to the lab instructor at the end of class. These calculations are performed by the students in class under the guidance of the laboratory instructor. These calculations are done based on the same data issued by the lab instructor.

Credit for laboratory classes should be obtained before the start of the examination session.

Rules for passing class exercises

Requirements necessary to met in order to pass the class exercises of the subject Heat exchange: 1. attendance at classes, 2. participation in class, 3. passing the final test with a grade of at least sufficient (grade 3.0).

The grade for the class exercises in the subject Heat exchange will be derived from these three components above.

Re 1. It is possible to miss one 1.5 hour class without excuse, the next missed classes must be excused, otherwise the student does not pass the class exercises.

Re 2. Participation in the class consists in solving during the class on the board the problems given by the class instructor.

Re 3. The final test is a written test. On the final test there are three heat exchange problems to be solved for which you can get 2 points each, that is 6 points in total.
For grade 5.0 the student should get from 5.01 to 6.00 points.
For grade 4.5 the student should get from 4.51 to 5.00 points.
For grade 4.0 the student should get from 3.51 to 4.50 points.
For grade 3.5 the student should get from 2.51 to 3.50 points.
For grade 3.0 the student should get from 2.00 to 2.50 points.
The requirement for this grade (grade 3.0) is to solve one whole problem correctly, i.e. no two problems half solved, three problems one third solved, etc. A score of less than 2 points means a failing grade (grade 2.0). Not solving one whole problem also means a failing grade. The solution to the problem should include all formulas with inserted values of physical quantities, as well as units must be presented. The formulas needed to solve the problems you must know by heart.

There are two dates for the final test: a pass and a corrective pass. A student who has not taken the test on time and has not excused his/her absence within 3 working days of the test date - forfeits the test. Unexcused absence from the test is equivalent to the student failing the test and will result in the instructor recording a failing grade (grade 2.0).

Credit for class exercises should be obtained before the start of the examination session.

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