# Mathematics A - general information about the subject

Dear students,

in the following text, you could find the basic pieces of information concerning the subject Mathematics A at the University of Chemistry and Technology.

1. Materials

   - The basic materials are your notes from lectures and exercises, the textbook and the video lectures at e-learning, where you can find further materials.
   - Textbook:
     - Porubský: Fundamental Mathematics for Engineers, Vol.I, VŠCHT, 2001
   - materials at e-learning: course Mathematics A

2. Attendance

   - There will be no contact lectures this semester. Instead of that, each week before the practicals, you should
     - watch (and try to understand) all the lecture videos in e-learning corresponding to the week of semester
     - contact dr. Axmann for consultation in case of any doubts or questions
   - The participation in the exercises is compulsory.
   - In case of long-term or regular absence (for instance disease), contact the exerciser as soon as possible.

3. Assessment

   - The assessment is given to the students who meet the conditions for the attendance in the exercises and who score enough points in two announced assessment tests during semester, see later.
   - During the semester, you will write **two assessment tests**. They usually take place at Friday in 6th and 11th week of the semester, but it could be occasionally shifted for at most one week due to organizational reasons. It is necessary to sign up for the test in the Educational Info System (SIS). Each test lasts 60 minutes.
   - During the tests, students are not allowed to use calculators, your notes, cell phones nor other devices. Bring to the test only your writing accessories, own blank sheets of paper and some identification card (e.g. student card).

- You can score in each test at most **100** points, summing up to **200** from both. Students achieving together at least **100** points, can obtain the assessment. Students achieving less than 100 points, but at least **60** points, can sign up at the beginning of the examination period for **summary test**. One need to score at least **50** points out of 100 from the summary test, it lasts 60 minutes, covers the topics from the entire semester and one has for it **one attempt** only. Students, who do not get enough points from the tests, do not get the assessment, and have to repeat the subject in the next semester.

- If you score in assessment tests more than **100** points, you obtain not only the assessment but automatically also some bonus points for the exam, see below. One can not earn any bonus points based on the summary test.

4. Exam

- The exam is combined - written and oral.

- You have a total of three attempts to pass the exam. The less attempts you use to pass the written part, the more attempts you have to pass the oral part.

- The possible dates for written part, will be fixed by agreement on the last lecture.

- We do not recommend to postpone your attempts too much. When you feel ready, sign up in the Educational Info System.

- Be aware of the deadlines for signing up for, or logging out of the test, respectively. In the event that you cannot attend the exam due to severe reason and you are not able to unsubscribe anymore, please contact the department administrator (Lucie.Borska@vscht.cz) as soon as possible. In the event that you stay signed up for the exam, and do not attend without any reasonable excuse, you will be classified F, id est lose one attempt.

- During the test, students are not allowed to use calculators, your notes, cell phones nor other devices. Bring to the test only your writing accessories, own blank sheets of paper and some identification card (e.g. student card).

- You can get from the exam test at most **100** points. On behalf of your result in assessment test you get at most **10** bonus points[1] according to the following table:

| number of points from assessment tests | 101–110 | 111–120 | ... | 191–200 |
|---|---|---|---|---|
| number of bonus points | 1 | 2 | ... | 10 |

- You pass the written part, if you obtain at least **50** points as a sum of points from the exam test and the bonus points. You will find out your result during forenoon in the Educational Info System.

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[1] $B = \left\lceil \dfrac{(A - 100)_+}{10} \right\rceil$, where $A$ is the number of points from the assessment tests a $B$ the number of bonus points

- In any case, you have the (recommended) possibility to go through the test with the lecturer, and hopefully you will learn from your mistakes.

- The date and time of the oral part will be arranged with the lecturer after you find out your result of the written part. Please write an email to the lecturer in order to find out the possibilities. In order to proceed to the oral part, it is necessary to pass successfully the written part. If you fail in the oral part, you do not have to repeat the test.

5. Miscellaneous

- Do not hesitate to ask the lecturer or the exerciser for consultation, in case you are not able to follow the topics, or you have further questions. Ideally, consult immediately as soon as the problem arises, it is not possible to overcome large discrepancies collected throughout the entire semester. The consultation is not tutoring! Continuous preparation is the key to manage the subject.

- If you have further organizational or any other questions, again do not hesitate to ask the lecturer or the exerciser.

On behalf of the subject guarantor we wish you a lot of success.

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