

Informations on the Written Exam  
**Dynamical Systems I**  
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**The Second Exam will take place on November 3, 10.00-12.00**

**As an alternative to the usual “Klausur”, it will be in the format of a “häusliche Klausur”, also known as “take-home exam”.**

We will strictly follow the rules and guidelines of FU. In the following, we will explain the concrete procedure, please read it carefully!

## **1 Start of the exam**

At 10:00 a.m. the exam sheet (.pdf file) will be send to you simultaneously via

- email: from the KVV to your zedat email address, so you must be registered in the KVV
- email: from the [dynamics.exercises@gmail.com](mailto:dynamics.exercises@gmail.com) to your regular email address.
- made public in the KVV (home feed of the course).

## **2 During the exam**

**You will need to confirm that you received the exam. Please write to [dynamics.exercises@gmail.com](mailto:dynamics.exercises@gmail.com) before 10.30 a.m.**

A short line in the style of “Got it! xxx” where xxx stands for your name is enough.

The exam takes 90 minutes plus an additional 30 minutes “Kulanzzeit” for computer problems, confirming that you received the exams, taking pictures of the exam, making it a PDF file and sending it via email.

All books and materials, including the internet, are allowed.

Feel free to use any format you like for answering the questions, like handwriting on paper and taking pictures afterwards, writing with a graphics tablet, Latex, ... It is recommended that you try in advance which format suits you best.

As always, all answers must be proven. This includes calculations which could for example be done by Mathematica: you will still need to write down every step that leads to your answer.

It is not allowed to communicate with each other during the exam and as a consequence, any obvious attempt will imply the grade “fail” (5.0).

### 3 End of the exam

**Please send your exam to [dynamics.exercises@gmail.com](mailto:dynamics.exercises@gmail.com) before 12:00 a.m. Any later submissions will be considered as “failed” (5.0).**

We will accept the following formats: a single .pdf file, named in the style *LastnameFirst-name.pdf*. In emergencies, only, you may send a collection of .jpg’s.

It is required that you fill in the Eigenständigkeitserklärung and send it back together with the exam solutions.

**We will confirm that we received your exam. Expect an email until 12:30. Please understand that we really need these 30 minutes and cannot be faster, so please, please, write additional emails if, and only if, you didn’t get a response from us until 12:30. Not before!**

### 4 Topics of the exam

The following will be relevant for the exam:

- all lectures
- all basic questions, both sheets
- exercises, problem 1–36

The exam will consist of 8 questions and 2 problems. They will be reasonably close to the basic questions and exercise problems, but not identical.