Scientific Visualization summer term 2020

This is an outline of this semester *Scientific Visualization* resp. its organization. It contains the current state of the art of the course and will be updated if necessary. In the first tutorial, there will be the opportunity to ask questions. If there is something urgent please contact Henriette.Lipschuetz@fu-berlin.de.

Lecture

- The lectures will be held on Tuesday, 10 to 12 am, and on Thursday, 10 to 12 am. First appointment is on April, 21st, 2020.

- The lectures will be broadcast via webex training. You will receive an invitation via email. Therefore, make sure that you are registered on the whiteboard (`https://mycampus.imp.fu-berlin.de/`).

Tutorial

- The tutorials will be held on Friday, 8 to 10 am. First appointment is on April, 24th, 2020.

- The tutorials will be broadcast via webex training. As in case of the lecture, you will receive an invitation via email.

- The participation in the tutorials in mandatory. You have to be present in at least 80% of the offered tutorials.

Lecture and Tutorial Policy

Because of the special circumstance of this summer term we are asking you to respect the following rules in the lectures and in the tutorials:

- Please take care that you are familiar with webex training (`https://wikis.fu-berlin.de/pages/viewpage.action?pageId=1037667239`).

- If you have access to a headset, please, use it to avoid background noise.

- If you have a question, please use the "hand raising" button. The host of the session will give you the permission to speak. The chat function will be disabled. The "Q&A" button is for technical questions only.

- Especially in the tutorials, please, mute yourself if you are not up to speak to avoid background noise.

- If there are questions that may be interesting for other participants as well or can be answered by other participants, please post it in the course forum in the Whiteboard.

Webex Training

- The lectures and the tutorials will be held via Webex Training.

- You will receive an email containing one link for the lectures and one for the tutorials. You have to be signed in for the course on the Whiteboard to receive this email.

- The links lead to registration forms which you have to fill out in order to be sent an email with a personalized link to the Webex Training conferences. You need to fill out one form for the lectures and one form for the tutorials, you will be given one link each.

- The automatically generated emails containing your personalized links will contain the sentence: *"You must attend all sessions to complete this course."* Ignore this sentence. The correct conditions for passing the course are listed in this document in the sections **Lecture** and **Tutorial**.

- The registration forms need to be filled out only once. The links you will be sent after your registration will work for the whole semester. Do **not** fill out the forms before each lecture/tutorial.

- Shortly before each lecture/tutorial you will be sent an email reminding you of the upcoming class. The email will also contain a working link to join the Webex Training conference.

- You will be able to join the conference once the host has manually started it. This will occur 15-30 minutes before each class.

- Upon clicking on a link to join a conference you will be sent to a web browser. Depending on the web browser you may be offered to install a plug-in and join the conference via the web browser or alternatively to install a temporary desktop application. You should choose the temporary desktop application as the web application is missing many necessary features. To do that, click on *Run a temporary application.* You will download an .exe file ($\sim$3MB). Upon opening it, the temporary Webex Training application will start and the .exe file will automatically delete itself. Do not close the application until the end of the class.

Should it happen anyway, you will need to click on your link and download the .exe file again. There is no permanent desktop application for Webex Training available.

- Upon entering, you need to connect your audio and your camera. You should see a pop-up windows titled *Audio Conference* where you need to click on the green button *Call Using Computer*. Should you accidentally close this window, you can open it again by going to *Audio → Audio Conference...* in the menu bar in the upper part of the window. Connect your camera by clicking on the camera symbol next to your name on the Participant List on the right side of the window.

- If you encounter any technical problems within the application, you can contact the current host of the session via the Q&A. If you encounter a problem between the classes or if you cannot open the application, check the *Technical support* folder in the forum on Whiteboard. If your problem is not there, write a post yourself, especially if you think that other people may encounter a similar problem.

- To start your own conference you need a Webex account. As of Friday the April, 17th, all FU students have their own Webex accounts under the FU domain. To get familiar with Webex Training you should start your own conference and try out all the options. Follow the instructions in the email from digitale-lehre@fu-berlin.de sent out on April, 17th, with the title *Online lernen mit Webex*. Also check out the [Wiki page](#). You do not need a Webex account to join a conference hosted by somebody else, as is the case with the lectures and the tutorials.

Homework

- Every Tuesday, there will be an exercise sheet posted on this very web page. The first will be uploaded on April, 28th, 2020. You are supposed to send single submissions to Henriette.Lipschuetz@fu-berlin.de. The submission deadline will be written on the exercise sheet. The submission has to be a pdf file and please name it in the following manner:

    numberOfExerciseSheet_yourName.pdf,
    example: 01_HenrietteLipschuetz.pdf.

- You are supposed to achieve 60% of the possible points in all exercise sheets.

- You are free to write your solutions in English or German.

Programming Projects resp. Exams

- There will be a list of programming projects posted on this very web page. This file will also contain a brief overview of the requirements.

- At the end of the term (deadline will be announced soon), you have to submit an executable code and a documentation of your project.

- After submitting your code and your documentation, there will be short interview about the content of your work.