

## Ugeseddel 6 (week 40)

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The lectures 10 October are cancelled owing to the visit of a committee evaluating the Stellar Astrophysics Centre. You are of course welcome to use this time slot to meet and discuss any remaining issues from the exercise class on 5 October, and Remo may be available at the start of the class to help. As a replacement the time of exercise class on 12 October will be used for lectures. This can deal with any remaining issues concerning the evolution after the main sequence and will otherwise consider the evolution and properties of the Sun (*Kippenhahn, Weigert & Weiss*, Chapter 29). The final lecture of Q1, 13 October, will deal briefly with supernovae (*Kippenhahn, Weigert & Weiss*, Chapters 35 and 36).

**Evaluation of the course:** As mentioned previously, the course will be evaluated based on reports on topics related to the course. For now, what is relevant is the evaluation of the initial 5-ECTS course *Advanced Stellar Evolution (5)*. A list of possible topics, with relevant references, is available on the website of the course (<http://astro.phys.au.dk/~jcd/stel-struct>). The report should be submitted to me by e-mail as a PDF file no later than 31 October.

**Extension to Q2:** The 10 ECTS version of the course will continue in Q2. This will consider some aspects of the physics of stellar interiors in more detail, as well as scaling relations for stellar models. In addition we shall deal with star formation, later stages in stellar evolution in more detail, white dwarfs and neutron stars, as well as possibly evolution of binary systems. The details of this will be arranged at the first lecture, as well as how the course will be organized, in discussion with the participants. Note that you are welcome to follow this extension, even if you are signed up for the 5 ECTS course, although it may be difficult to get credits for it. A formal change to the 10 ECTS course will have to be arranged with the study administration.

I plan to be present at the final lecture on 13 October, in case there are questions concerning the evaluation or the Q2 part of the course.