Contact and syllabus information for INF282, spring 2014

Lecturer:

Marc Rehmsmeier
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Teaching assistant:

Ksenia Lavrichenko
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Class days:

Tuesdays 10:15-12:00 (room 2143) and irregularly Thursdays 10:15-12:00 (room 2103) (both run by Marc); tutorials (group work) Wednesdays 10:15-12:00 (room 5118, run by Ksenia)

Online information:

https://miside.uib.no

Tentative syllabus:

Note that this course builds on the bioinformatics basics as taught in INF280 and that it is necessary that you have mastered them.

- Sequence and structure analysis; I. Eidhammer, I. Jonassen, W.R. Taylor PROTEIN BIOINFORMATICS An Algorithmic Approach to Sequence and Structure Analysis. Chapters

    4 except for 4.4.3. 4.4.4 is cursory.
    5.1-5.2, 5.4.
    6 except for 6.3.1 and 6.3.2.
    7.1-7.6.
    8 except for 8.5.5. 8.6.2, 8.7.1 and 8.7.2 are cursory.
    9.
    10.1 except for 10.1.3.
    11 except for 11.6.
    14.1, 14.3 and 14.4. 14.5-14.8 are cursory.

- Genomics and transcriptomics; the compendium except for 7.2

- Proteomics; I. Eidhammer, K. Flikka, L. Martens, S-O. Mikalsen Computational Methods for Mass Spectrometry Proteomics (it's possible that we won't cover this)