

Medical Image Analysis, FMAN30, FMAN30F, 7.5hp LP2 2018

Lecturers:

Kalle Åström, MH:425, **tfn:** 046/2224548, **e-mail:** karl.astrom@math.lth.se

Anders Heyden, **e-mail:** anders.heyden@math.lth.se

Niels Christian Overgaard, **e-mail:** niels_christian.overgaard@math.lth.se

Einar Heiberg, **e-mail:** einar.heiberg@med.lu.se

Appointments on request by e-mail. Also feel free to ask questions after lectures.

Supervisors:

Ida Arvidsson, **e-mail:** ida.arvidsson@math.lth.se

Gabrielle Flood, **e-mail:** gabrielle.flood@math.lth.se

David Gillsjö, **e-mail:** david.gillsjo@math.lth.se

Anna Gummeson, **e-mail:** anna.gummeson@math.lth.se

Schedule - lectures: See TimeEdit: <http://tinyurl.com/y7op693h>

Mondays 8-10 in E:1406

Fridays 13-15 in MH:G

Two Tuesdays 13-15 in MA:3 (only two days 13/11 and 4/12)

Supervision for hand-in assignments:

Starts study week 2. See separate schedule on homepage and TimeEdit.

Hand-in assignments:

There are four hand-in assignments. These are due 25/11, 2/12, 16/12 and 8/1.

Lecture overview:

Date	Time	Room	Topic
Mon 5/11	8-10	E:1406	Introduction, Basic Concepts
Fri 9/11	13-15	MH:G	Registration 1
Mon 12/11	8-10	E:1406	Segmentation 1
Tue 13/11	13-15	MA:3	Registration 2
Fri 16/11	13-15	MH:G	Registration 3
Mon 19/11	8-10	E:1406	Segmentation 2
Fri 23/11	13-15	MH:G	Segmentation 3
Mon 26/11	8-10	E:1406	Machine Learning 1
Fri 30/11	13-15	MH:G	Machine Learning 2
Mon 3/12	8-10	E:1406	Machine Learning 3
Tue 4/12	13-15	MA:3	Dicom, Regulatory issues
Fri 7/12	13-15	MH:G	Fast Marching
Mon 10/12	8-10	E:1406	Ethics
Fri 14/12	13-15	MH:G	E-health, Medviso
Mon 17/12	8-10	E:1406	Machine Learning 4,
Fri 21/12	13-15	MH:G	Review, Wrap-up

Literature:

Lecture slides, Centre for mathematical sciences, Lund University.

Course requirements/Exam:

In the course, there are 4 mandatory hand-in exercises and a short oral exam:

nr	Handed out	title	deadline
1	9/11	Registration	25/11
2	12/11	Shape Statistics	2/12
3	26/11	Machine Learning	16/12
4	4/12	Segmentation	8/1

Home page: <http://www.ctr.maths.lu.se/course/newimagean/2018/>

Web forum: We have a web forum, where you may post and answer questions, see <https://forum.maths.lth.se>

Study office: See department homepage <http://www.maths.lu.se/>.

Eva-Lena Borgström, Patricia Felix Poma de Kos, room 540, open 10:30-11:30, 13:00-15:00.