

# In vivo imaging and physiological modelling – BMED360

Høst 2014 / Fall 2014

Pensumliste / Curriculum

## Printed material:

Selected chapters and sections from the following textbooks:

Toennies KD. Guide to Medical Image Analysis – Methods and Algorithms. Springer-Verlag 2012  
(<http://www.springer.com/computer/image+processing/book/978-1-4471-2750-5>)

As eBook: <http://link.springer.com/book/10.1007%2F978-1-4471-2751-2>

Li X. Functional Magnetic Resonance Imaging Processing. Springer-Verlag 2014

(<http://www.springer.com/biomed/neuroscience/book/978-94-007-7301-1>)

As eBook: <http://link.springer.com/book/10.1007/978-94-007-7302-8>

Wallisch P, Lusignan ME, Benayoun MD et al. MATLAB for Neuroscientists – An Introduction to Scientific Computing in MATLAB. 2<sup>nd</sup> ed. Elsevier 2014 (<http://www.elsevier.com/books/matlab-for-neuroscientists/wallisch/978-0-12-383836-0>)

As eBook: <http://www.sciencedirect.com/science/book/9780123838360/>

<http://store.elsevier.com/product.jsp?isbn=9780123838360>

Companion materials / MATLAB code: <http://booksite.elsevier.com/9780123838360/>

## Digital material:

Additional course material (lecture notes / lab exercises / articles / code & data) are available from the BMED360 web-site:

<https://sites.google.com/site/bmed360/>

Husk at pensumlitteratur også kan være tilgjengelig digitalt gjennom <http://www.uib.no/ub>. Universitetsbiblioteket kjøper tilgang til mye digital litteratur som dermed er gratis tilgjengelig for UiBs studenter.