The Master's Degree Programme in Biomedical Engineering (Medicine and Technology)

This document contains, supplemented with the University of Copenhagen course catalog (http://kurser.ku.dk/), descriptions of the courses and exams of the Master's Degree Programme of Medicine and Technology conducted at the Faculty of Health and Medical Sciences, University of Copenhagen.

The present wording was approved by the Dean on 1 April 2012 and comes into force on 1 September 2012. Recent amendments to this document where made in March 2015 and March 2017.

Further information about the Master's Degree Programme in Biomedical Engineering (Medicine and Technology) can be found on http://www.dtu.dk/english/education/msc/programmes/biomedical-engineering

Course overview

<table>
<thead>
<tr>
<th>1st year</th>
<th>1st semester</th>
<th>Pathophysiology (Mandatory course)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd semester</td>
<td>Tissue and Movement Biomechanics (Elective course)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced Physiological Modelling (elective Course)</td>
<td></td>
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<tr>
<td></td>
<td>Radioactive Isotopes and Ionizing Radiation (Elective course)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd year</th>
<th>3rd semester</th>
<th>Medical use of Radiation (Elective course)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Exam in Medical use of Radiation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4th semester</th>
<th>Master's Thesis 30 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Master's Thesis 32,5 ECTS</td>
</tr>
<tr>
<td></td>
<td>Master's Thesis 35 ECTS</td>
</tr>
</tbody>
</table>

Course list

First semester

Course title: Pathophysiology
STADS code: SMTK12011U
ECTS: 0
Name of exam: Pathophysiology  
STADS code: SMTK12011E  
ECTS: 10

**Second semester**

Course title: Tissue and Movement Biomechanics  
STADS code: SMTK14001U  
ECTS: 0

Name of exam: Tissue and Movement Biomechanics  
STADS code: SMTK14001E  
ECTS: 10

Course title: Advanced Physiological Modelling  
STADS code: SMTK12022U  
ECTS: 0

Name of exam: Advanced Physiological Modelling  
STADS code: SMTK12022E  
ECTS: 10

Course title: Radioactive Isotopes and Ionizing Radiation  
STADS code: NFYK14039U  
ECTS: 0 ECTS

Name of exam: Radioactive Isotopes and Ionizing Radiation  
STADS code: NFYK14039E  
ECTS: 7.5 ECTS

**Third semester**

Course title: Medical Use of Radiation  
STADS code: SMTK17031U  
ECTS: 5

Name of exam: Medical Use of Radiation  
STADS code: SMTK17031E  
ECTS: 5

**Fourth semester**

Name of exam: Master's Thesis  
STADS code: SMTK12041E  
ECTS: 30
Name of exam: Master's Thesis  
STADS code: SMTK15001E  
ECTS: 32.5

Name of exam: Master's Thesis  
STADS code: SMTK12042E  
ECTS: 35

§ 9 Group exams  
The MSc Programme conducted at the Faculty of Health and Medical Sciences, University of Copenhagen offers no group exams.

§ 10 Instruction and exam languages  
The MSc Programme is conducted in English.

§ 12 Master's thesis  
The Master thesis is the final element of the programme. The objective of the Master's thesis is to give students the opportunity to apply their acquired knowledge independently a larger project that concludes in a written report. Students must file their thesis registration via an electronic application form. The Head of Studies must ensure and approve that the subject of the Master's thesis is within the field of Biomedical Engineering before the thesis work can be commenced.

12.2 The thesis is written individually. However, two students may report and submit a project on a shared subject and in this context share any general descriptive sections, e.g. the introduction.

12.3 The thesis must be completed in accordance with the approved contract.

12.4 Assessment will mainly be based on the academic contents. The student's ability to express her or himself is also assessed, but weighs less, while correct spelling is only of limited importance. The report and oral exam are assessed together as one unit.

12.5 The Master's thesis must be written in English and it must include an abstract. As an exception the supervisor of the thesis can assess that the thesis may be written in Danish. This decision can only be made due to professional, academic reasons. The director of studies for the degree program must accept this exemption.

12.5 The Master's thesis can comprise 30-, 32.5- or 35 ECTS.

§ 13 Exemptions from these provisions  
In exceptional circumstances, the Study Board may grant exemptions from any curriculum provisions within the sole remit of the Study Board.

§ 14 Date of commencement  
This document comes into force on 1 September 2017.