Outline course structure

<table>
<tr><th colspan="7">MEng (Hons) Biomedical Engineering</th></tr>
<tr><td>Year 1</td><td>Engineering Science Fundamentals
20</td><td>Engineering Mathematics and Technical Computing
20</td><td colspan="2">Innovation and Engineering Solutions
40</td><td>Anatomy, Physiology and Biomechanics
20</td><td>Chemistry of Materials
20</td></tr>
<tr><td>Year 2</td><td>Digital Systems and Computer Engineering
20</td><td>Engineering Modelling and Simulation Techniques
20</td><td>Industrial design and product case studies
20</td><td>Integrated group design projects
20</td><td>Tissue engineering, Biomaterials and Biocompatability
20</td><td>Biomedical Imaging and Sensing
20</td></tr>
<tr><td colspan="7">Optional Sandwich Year</td></tr>
<tr><td rowspan="2">Year 3</td><td rowspan="2">Performance Engineering
20</td><td rowspan="2">Medical Ethics, Regulation and Clinical Trials
20</td><td colspan="2" rowspan="2">Group Engineering Design and Optimisation Project
40</td><td>Current Developments in Bioengineering
20</td><td></td></tr>
<tr><td>Choose one of three options:
1. Sensors and Embedded Electronics
2. Fluid Dynamics in Physiology and Medical Devices
3. Medical Applications of Smart Materials</td></tr>
<tr><td>Final Year</td><td>Design to Market
20</td><td colspan="3">Individual Industrial/Research Engineering Project
60</td><td>Choose two of four options:
1. Robotics, Cybernetics and Biomechatronics
2. Advanced Medical Imaging and Therapeutics
3. Biotribology Applied to Prosthetics
4. Advances in Genomics for Diagnostics and Therapeutics</td></tr>
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Figure 1. MEng (Hons) Biomedical Engineering