

## **Bute Medical School**

### **Important Degree Information:**

#### **B.Sc. Honours in Medical Science**

The general requirements are 480 credits over a period of no more than 4 years from the date of first matriculation; the final two years being an approved Honours programme of 240 credits, of which 120 credits are at 3000 level and 120 credits at 4000 level. Direct entry into level 2000 is the normal route of entry in which case 120 credits of advanced standing will be given by the Faculty Business Committee to approved candidates. All those who graduate B. Sc. (Honours) in Medical Science from St Andrews have the **guarantee of a clinical place in the University of Manchester** where they can graduate with a MB ChB after three years of clinical studies.

<b>Degree Programmes</b>	<b>Programme Requirements at:</b>
(B.Sc. Honours): <b>Medical Science</b>	<p><b>Single Honours Medical Science Degree:</b></p> <p>Direct entry to second year with 120 credits of advanced standing awarded by the Faculty Business Committee to approved candidates.</p> <p><b>Level 2:</b> 120 credits comprising MD2001 &amp; MD2002</p> <p><b>Level 3:</b> 120 credits comprising MD3001 &amp; MD3002</p> <p><b>Level 4:</b> 120 credits comprising MD4001, MD4002 &amp; MD4003</p>

### **Medical Science Honours Modules**

**Progression into the Honours programme requires passing modules MD2001 and MD2002 at a specific level of achievement. Normally an average of grade 11 will be required for entry to the Honours programme but exceptions to this will be at the discretion of the Head of School.**

#### **MD3001 Medical Science Honours 1 (Cardiovascular & Respiratory Systems )**

Credits: 60.0 Semester: 1

Availability: 2005-06

Prerequisites: MD2001 & MD2002

Description: Medical Science Honours 1 and 2 form the second turn of the curriculum spiral taking an integrated approach to the scientific basis of medicine at an Honours level. These modules will build upon the material delivered in the preceding Foundations of Medicine modules 1 and 2.

Medical Science Honours 1 will:

- ◆ cover the structure and functions of the cardiovascular and respiratory systems. The anatomy of the thorax will be studied by dissection.
- ◆ introduce the disease mechanisms and therapy of disorders pertinent to these body systems
- ◆ use relevant clinical problems and clinical skills to provide clinical context
- ◆ integrate the ethical, moral and behavioural aspects relevant to these systems.

Class Hour: To be arranged.

Teaching: 8 Lectures and 6 hours of Seminars/tutorials/practicals each week.

Assessment: Continuous Assessment =25%, 3 Examinations of up to 2 hours' duration each = 75%

Re-Assessment: 3 Examinations of up to 2 hours' duration each = 100%

## **Bute Medical School - Honours**

### **MD3002 Medical Science Honours 2 (Reproductive, Renal & Gastrointestinal Systems)**

Credits: 60.0 Semester: 2

Availability: 2005-06

Prerequisites: MD2001 & MD2002

Description: Medical Science Honours 2 will:

- ◆ provide in depth coverage of the structure and functions of the reproductive, renal and gastrointestinal systems. The anatomy of the abdomen and pelvis will be studied by dissection.
- ◆ cover the disease mechanisms and therapy of the disorders pertinent to these body systems
- ◆ use relevant clinical problems to provide the clinical context
- ◆ will integrate the ethical, moral and behavioural aspects relevant to these systems.

Class Hour: To be arranged.

Teaching: 8 Lectures and 6 hours of Seminars/tutorials/practicals each week. Clinical case studies and clinical skills on a 2 week cycle. Up to 6 hours per week of directed self-learning.

Assessment: Continuous Assessment =25%, 3 Examinations of up to 2 hours' duration each = 75%

Re-Assessment: 3 Examinations of up to 2 hours' duration each = 100%

### **MD4001 Medical Science Honours 3 (Central Nervous System & Endocrine System)**

Credits: 60.0 Semester: 1

Availability: 2006-07

Prerequisites: MD3001 & MD3002

Description: This module continues the strategy of the spiral curriculum by revisiting foundation knowledge and progressing to the most complex integrative physiological systems namely the central nervous and endocrine systems.

Medical Science Honours 3 will:

- ◆ provide in depth coverage of normal structure and function of the CNS and endocrine systems. The anatomy of the head and neck will be studied by dissection
- ◆ introduce diseases and possible therapies pertinent to these important control systems
- ◆ present case studies associated with the CNS and endocrine systems to highlight appropriate clinical skills for the identification of neurological and endocrinological disorders
- ◆ utilise audiovisual, literary and theoretical works to integrate ethical issues and behavioural science with clinical medicine.

Class Hour: To be arranged.

Teaching: 8 Lectures and 6 hours of Seminars/tutorials/practicals each week. Clinical case studies and clinical skills on a 2 week cycle. Up to 6 hours per week of directed self-learning.

Assessment: Continuous Assessment =25%, 3 Examinations of up to 2 hours' duration each = 75%

Re-Assessment: 3 Examinations of up to 2 hours' duration each = 100%

**MD4002 Medical Science Honours 4 (Student-selected component)**

Credits: 40.0 Semester: 2

Availability: 2006-07

Prerequisite: MD4001

Description: Students will undertake an Honours level Student-Selected Component (SSC) such as a research project, a library project or Special Study Module. These SSCs will enable students to pursue an area of their own particular interest at an advanced level. SSCs will involve one of the following:

- ◆ scientific research assessed by dissertation and oral presentation
- ◆ library project assessed by dissertation and oral presentation
- ◆ study of an advanced medical science Special Study Module assessed by written examination and/or dissertation and oral presentation

Class Hour: To be arranged.

Teaching: To be arranged.

Assessment: Scientific research or library project assessed by dissertation and oral presentation. Special Study Module assessed by written examination and/or dissertation and oral presentation.

Re-Assessment: Re-submission of above assessments.

**MD4003 Medical Science Honours 5 (Applied Medical Science)**

Credits: 20.0 Semester: 2

Availability: 2006-07

Prerequisite: MD4001

Description: Knowledge acquired by the students in the earlier parts of the curriculum will be consolidated. This course is primarily taught by clinicians (including honorary staff) and case studies will be used extensively to direct student learning.

Medical Science Honours 5 (Applied Medical Science) will:

- ◆ review clinical anatomy in preparation for clinical training.
- ◆ give students the opportunity to significantly advance their clinical and communication skills in terms of patient examination techniques and associated procedures e.g. venepuncture, intravenous cannulation, bladder catheterisation, rectal digital examination, cardiopulmonary resuscitation, measurement of blood pressure, lumbar puncture.
- ◆ provide opportunities for developing skills relevant to problem based learning

Class Hour: To be arranged.

Teaching: To be arranged.

Assessment: Continuous Assessment =25%, 3 Examinations of up to 2 hours' duration each = 75%

Re-Assessment: 3 Examinations of up to 2 hours' duration each = 100%

