

Mr John Gilchrist
Freedom of Information Officer

31 July 2018

Ref: FOI/July 2018/ Lee Peters

By email to L.G.PETERS.141750@swansea.ac.uk

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Dear Mr Peters

Your request for information received on 5 July 2018 has been dealt with under the provisions of the Freedom of Information Act 2000 (FOIA).

You asked:

1. Please could you list all your IBMS accredited courses your institution currently run?
2. Approximately how many hours of teaching time is dedicated to Point of Care Testing/ Near patient testing on each of your IBMS accredited courses?
3. Please could you provide any leaning outcomes relating to Point of Care Testing/ Near patient testing and how are they assessed?
4. Please could you provide the learning outcomes used to meet the HCPC Standards of proficiency for biomedical scientists for standards 14.26 and 14.16 and how are they assessed?

University Response

All IBMS accredited courses

BSc/MSci Applied Biomedical Science
BSc Biomedical Science
BSc Biomedical Science (Sandwich)
MSc Biomedical Science (Cellular Pathology)
MSc Biomedical Science (Clinical Biochemistry)
MSc Biomedical Science (Haematology and Transfusion Science)
MSc Biomedical Science (Medical Immunology)
MSc Biomedical Science (Medical Microbiology)

Hours of teaching time is dedicated to Point of Care Testing/ Near patient testing

The number of hours of teaching time dedicated to Point of Care Testing/ Near patient testing on the BSc in Biomedical Science programmes is 15 hours. We also recommend students commit up to 30 hours of self-study in addition to this.

Learning Outcomes

- a) Justify the choice of a specialised clinical biochemistry test to diagnose a medical condition or monitor the effectiveness of treatment and evaluate the significance of the test results with reference to aetiology and pathophysiology of the disease and clinical outcome.
- b) Critically evaluate bioanalytical methods and techniques related to histocompatibility and immunogenetics and explain the relevance to clinical practice.
- c) Demonstrate good laboratory practice related to haematological, immunological and biochemical procedures and techniques.
- d) Discuss a variety of investigative practices and technologies used in blood science.
- e) Evaluate the relevance and significance of clinical data generated by investigative procedures.

The learning outcomes are assessed by means of formative in class online test as well through summative assessments which consist of a 2 hour short answer exam paper (50% of total marks) and a practical portfolio containing problem based learning questions on laboratory practicals which are based on point of care testing methods.

HCPC standards of proficiency

HCPC 14.16; The learning outcomes that cover this proficiency are

- i) Outline how the pathology service is organised and the roles of the biomedical scientist in an integrated pathology service.
- ii) Explain the basics of good laboratory practice and safe handling of clinical specimens, producing and recording test results and dealing with uncertainties. Discuss the basic principles of investigations carried out in pathology services.

(Module BMS3136 transplantation, transfusion and specialist biochemistry)

HCPC 14.26; The learning outcomes that cover this proficiency are

- i) Explain the basics of good laboratory practice and safe handling of clinical specimens, producing and recording test results and dealing with uncertainties. Discuss the basic principles of investigations carried out in pathology services.
- ii) Appraise a variety of investigative practices and technologies used in cellular pathology and illustrate their value in reaching a diagnosis.
 - iii) Discuss a variety of investigative practices and technologies used in blood science.
 - iv) Evaluate the relevance and significance of clinical data generated by investigative practices.

These learning outcomes are assessed through summative assessment through an objective practical exam, short essay question exam, in class multiple choice questions and a laboratory practical logbook.

(Modules BMS1994 introduction to biomedical science, BMS2135 blood sciences, BMS3136 transplantation, transfusion and specialist biochemistry)

I trust this satisfies your request sufficiently. Under the Freedom of Information Act 2000, you have the right to complain about the University's response to your request for information. If you have such a complaint, you may contact Mrs Teresa Kelly, Clerk to the Board of Governors, Middlesex University, Hendon campus, London NW4 4BT, tel: 020 8411 6018, t.kelly@mdx.ac.uk within 40 days of the date of this letter for a review of the University's decision. If you remain unsatisfied with the outcome of that complaint, you may seek further recourse by lodging an appeal with the Information Commissioner.

Yours sincerely

John Gilchrist
Freedom of Information Officer