



Queen Margaret University  
EDINBURGH

**SCHOOL OF HEALTH SCIENCES**

**DIVISION OF DIETETICS, NUTRITION AND BIOLOGICAL SCIENCES,  
PHYSIOTHERAPY, PODIATRY, RADIOGRAPHY**

**LEVEL 4 / DIET 1**

**D4120/ Advanced Medical Microbiology and Immunology**

<b><u>DATE: 12/12/2017</u></b>	<b><u>TIME: 9.30-11.35</u></b>
<b><u>WRITING TIME: 2 hours</u></b>	<b><u>READING TIME: 5 minutes</u></b>

**PAPER SETTER:** Dr Lorna Fyfe

**INSTRUCTIONS:** This is an open book exam

You may use published information from peer reviewed journals or printed materials from websites. You cannot refer to hand written notes. You can use calculators if you wish. You cannot bring books into the examination.

Examiners will need to be aware of the evidence/references on which you base your critique, therefore please reference all sources of information using the Harvard system of referencing (according to QMU write and cite). To reference from websites, you should include the date on which you accessed the website. You may bring into the exam a typed reference list, you do not need to transcribe this into handwriting during the exam, leave it with your exam paper.

Answer **one** question only.

1. Critically evaluate the scientific evidence for the immunonutritional support of **one** of the following populations: athletes, HIV positive individuals, those with an autoimmune disease such as rheumatoid arthritis, those with cancer cachexia, or another specified population of your choice.
2. Critically evaluate the scientific advances on a new and re-emerging infectious agent such as a virus and comment on how these cause disease and spread to humans.
3. Critically evaluate the scientific evidence in the understanding of the microbiological **and/or** immunological causes of either HIV infection, or an autoimmune disease such as rheumatoid arthritis, or cancer cachexia, or another disease/disorder of your choice.
4. Critically evaluate the scientific evidence on the development of vaccines **or** the use of immunotherapy in treatment of a disease of your choice which has a microbiological and/ or immunological basis.
5. Critically evaluate the scientific evidence in the understanding of honey as an anti-microbial agent **or** immunomodulatory agent

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