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 The latest version of this module is available [here](#)

## MODULE DESCRIPTOR

### Module Title

Gut Microbiome, Diet and Health

Reference	AS4006	Version	1
Created	August 2017	SCQF Level	SCQF 10
Approved	June 2018	SCQF Points	15
Amended		ECTS Points	7.5

### Aims of Module

To provide students with understanding of the role of a healthy gut microbiome in the prevention of disease and the interactions between diet and the gut microbiome.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Explain the mechanisms through which the gut microbiome influences physiological and metabolic function.
- 2 Evaluate the evidence of a relationship between diet and the gut microbiome.
- 3 Evaluate the evidence of a relationship between the gut microbiome and health.

### Indicative Module Content

Stomach flora, intestinal flora, development of the gut microbiome, faecal evidence; faecal transplants, metagenome; bacterial metabolism, dietary fibre, short-chain fatty acids, bacterial gases, dietary phytochemicals, genetic influences, twin studies, immune function, allergies, autoimmune diseases, cancer, obesity, type II diabetes mellitus, cardiovascular disease, gut-brain axis, central nervous system dysfunction, prebiotics, probiotics, synbiotics.

### Module Delivery

Theoretical material is delivered by lectures and tutorials.

### Indicative Student Workload

	Full Time	Part Time
Contact Hours	39	N/A
Non-Contact Hours	111	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

**ASSESSMENT PLAN**

*If a major/minor model is used and box is ticked, % weightings below are indicative only.*

**Component 1**

Type: Coursework Weighting: 100% Outcomes Assessed: 1, 2, 3  
 Description: A closed book examination.

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

This module is assessed using the one component of assessment as detailed in the Assessment Plan. To pass this module, students must achieve a module grade D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	A mark for C1 of 70% or more.
<b>B</b>	A mark for C1 between 60 and 69%.
<b>C</b>	A mark for C1 between 50 and 59%.
<b>D</b>	A mark for C1 between 40 and 49%.
<b>E</b>	MARGINAL FAIL. A mark for C1 between 35 and 39%.
<b>F</b>	FAIL. A mark for C1 of less than 35%.
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	Successful completion of Stage 3 or equivalent.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 Detailed reading lists on the subject will be provided by academic staff.