MODULE DESCRIPTOR

Module Title

Nutrition and Dietetic Assessment

Reference	HS2130	Version	3
Created	March 2023	SCQF Level	SCQF 8
Approved	July 2018	SCQF Points	30
Amended	June 2023	ECTS Points	15

Aims of Module

To promote an understanding of the principles, uses and limitations of methods assessing body composition, dietary intake and nutritional status in individuals, groups and populations.

Learning Outcomes for Module

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

1	Explain the use, interpretation, and limitations of anthropometric and laboratory methods to determine body composition.
2	Describe the various biochemical and clinical techniques available to assess nutritional status.
3	Describe the methods used to estimate dietary intake and their relative strengths and weaknesses.
4	Discuss the evidence based and methods used to estimate dietary intake in relation to practice and research settings
5	Demonstrate practical and professional skills in conducting a nutrition and dietetic assessment.

Indicative Module Content

Model and Process for Nutrition and Dietetic Practice. Methods for measuring energy expenditure, including direct and indirect calorimetry, and non-calorimetric methods. Methods for measuring body composition, including densitometry, total body water, total body potassium, DEXA, scanning techniques, bedside methods, including anthropometry and bioelectrical impedance analysis, growth charts and their applications in practice and in research. Health and Safety, haptics, proxemics, consent. Factors influencing body composition, including age, sex, starvation and disease. Methods of measuring food consumption and nutrient intake, and their applications in research: domestic food production, food balance data, household food purchases, food diaries, food frequency questionnaires, 24 hour recall, duplicate diet analysis, dietary history and food composition tables. National Diet and Nutrition Survey, research methods. Technology-based nutritional analysis. Static and functional biochemical tests for assessing nutritional status; recovery and concentration biomarkers; blood, urine, hair, nails and adipose tissue; sample collection, transport and storage. Relative validity; sensitivity and specificity; Bland-Altman plots.

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Module Delivery

Blended delivery comprising on campus and online learning and engagement. This will include ? Workshops, Tutorials, Seminars, Keynote Lectures, Digital Learning Resources and practical classes

Indicative Student Workload	Full Time	Part Time
Contact Hours	48	N/A
Non-Contact Hours	252	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

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

Component 1

Type:	Practical Exam	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	An objective structured practical examination.				

Component 2

Type:	Coursework	Weighting:	0%	Outcomes Assessed:	
Description:	Minimum of 80% mandatory attendance of all scheduled module delivery. Attendance will be assessed on a pass/unsuccessful basis				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

Component 1 (OSPE) comprises 100% of the module grade. A minimum of Grade D in C1, a pass in C2

Module Grade	Minimum Requirements to achieve Module Grade:
A	A in C1, and a pass in C2.
B	B in C1, and a pass in C2.
C	C in C1, and a pass in C2.
D	D in C1, and a pass in C2.
E	A-D in C1, and a fail in C2; or E in C1, irrespective of pass or fail in C2.
F	F in C1, irrespective of pass or fail in C2
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of Stage 1, or equivalent.
Corequisites for module	None.
Precluded Modules	None.

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INDICATIVE BIBLIOGRAPHY

1	GANDY, J., ed., 2019. Manual of Dietetic practice. 6th ed. Hoboken: John Wiley & Sons.
2	SHAW, V., ed., 2020. Clinical Paediatric Dietetics. 5th ed. Oxford: Blackwell.
3	Lee RD and Nieman DC. Nutritional Assessment. (2018) McGraw-Hill Education.
4	The bibliography will be updated annually to ensure the articles used are current to dietetic practice and reflect key issues.