



Module Specification

Genomic and Counselling skills for Nurses and Healthcare Professionals

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Part 1: Information

Module title: Genomic and Counselling skills for Nurses and Healthcare Professionals

Module code: USSJK7-15-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Applied Sciences

Partner institutions: None

Delivery locations: Not in use for Modules

Field: Applied Sciences

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: Yes

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: The overall aims of the module is to provide the attendees with an introduction to the key areas of genomics, human genetics and genetic variation

in the field of cancer. The module will equip students with the knowledge and behaviours to competently perform the leadership role of Macmillan Genomic Education Champion in the new NHS Genomic Medicine Service.

Outline syllabus: Fundamentals of genetics and genomics. What is genomics?; Genomic technologies; and Ethical and legal considerations.

Genetic basis of common cancers

Genetic testing approaches in cancer, including laboratory context.

Taking and drawing a genetic family, inheriting genomic information, 100,000

Genomes Project Preparing for the Consent Conversation. Genetic counselling skills in theory and practice.

Genomics for personalised treatment.

Organisation of the Genomic Medicine Service, including the Test Directory, patient choice, confidentiality and data storage.

How to plan and deliver an effective train the trainer (TTT) session and introduction to theory models, learning by case studies.

Part 3: Teaching and learning methods

Teaching and learning methods: Group discussion

Cased-based discussion

Formal lectures

Role-play with feed-back with the involvement of patients, reflection

Interactive case-based tutorial

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Demonstrate an understanding of the relationship of genetics and genomics to health, prevention, screening, and diagnostics .

MO2 Critically evaluate the genomic factors affecting response and resistance to treatment and evaluate from practice at least three cancer cases that have a genetic/genomic component .

MO3 Demonstrate understanding of ethical, legal, and societal issues related to genetic and genomic information and technologies and understand the NHS Genomic Medicine Service structure and referral process.

MO4 Describe practice-relevant genetic and genomic resources and conduct educational interventions to address the genetic/ genomic learning needs of health professionals and clients.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 108 hours

Lectorials = 42 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/lists/1486F301-3D49-6CEA-18B6-F17B85BC5386.html?edit&version=v1&lang=en&login=1) via the following link <https://uwe.rl.talis.com/lists/1486F301-3D49-6CEA-18B6-F17B85BC5386.html?edit&version=v1&lang=en&login=1>

Part 4: Assessment

Assessment strategy: The first assessment task is a 30 minute case study based educational seminar session provided as a small group (80% of mark). This assessment is aimed at evaluating your ability to work in a small group to successfully deliver an educational session. You will be expected to draw on up to date literature and clinical guidance in order to provide a clear example of how genomic medicine will impact clinical care and specifically how it has influenced a particular clinical case.

The 30 minute presentation will be followed by 15 minutes of questions (20% of mark).

The second assessment task is a leaflet aimed at educating regional peers on the

impact of genomic medicine and the structure, function and how to access further information locally.

Assessment components:**Presentation (First Sit)**

Description: Case study based educational seminar (30 minutes) with questions (15 minutes).

Weighting: 50 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3

Professional Practice Report (First Sit)

Description: Genomic medicine leaflet.

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO4

Presentation (Resit)

Description: Case study based educational seminar (30 minutes) with questions (15 minutes).

Weighting: 50 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3

Professional Practice Report (Resit)

Description: Genomic medicine leaflet.

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study: