MD1B1-15 Concepts in Health and Medical Sciences.

26/27

Department
Warwick Medical School
Level
Undergraduate Level 1
Module leader
Farhan Noordali
Credit value
15
Module duration
4 weeks
Assessment
100% coursework
Study location
University of Warwick main campus, Coventry

Description

Introductory description

As this is the core concepts module that starts the course, students will be introduced to a range of topics and concepts spanning health, biomedical and medical sciences.

Module web page

Module aims

This module aims to give students a basic grounding in key topics, theories, principles, language, nomenclature and learning activities which will underpin ongoing study in the health and medical sciences. Students will develop knowledge and understanding of the different skills, techniques and perspectives that will frame ongoing study.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

Throughout the module, students will be introduced to concepts and terminologies used by the biomedical, medical, and health sciences disciplines. The module will cover key topics, theories, and principles, and will enable students to develop the confidence and capability to build on their pre-existing knowledge while gaining a new perspective to navigate and integrate information within these disciplines.

In the biomedical and medical sciences, students will be introduced to core biological concepts from the level of atoms to systems within the human body. Students will develop an enhanced appreciation for the complex molecular mechanisms that underpin the normal function of cells and the consequences of disrupting these processes. Students will also start building on their knowledge of basic anatomy, physiology, and pharmacology preparing them for modules to come.

In the health sciences, core concepts in health and illness including psychological and sociological perspectives will be introduced along with key considerations informed by health economics and policy. Incidence and prevalence are important concepts in disease and will be introduced alongside an introduction to epidemiological concepts and methods. The concept of patient perspective in research and healthcare will also be explored. Concepts in medical and health sciences will invoke a consideration of the ethical and medical legal dimension of health and how important these fields are when considering equitable human health and wellbeing.

Students will be introduced to effective skills for academic writing, study skills and case-based learning including its application as a pedagogical approach and the chief instructional method of this course.

Learning outcomes

By the end of the module, students should be able to:

- 1. Describe and explain the key concepts, theories and principles which will underpin an understanding of health and medical sciences
- 2. Demonstrate appropriate use of standard terminology and nomenclature across disciplines of health sciences, biomedical science and medical science.
- 3. Extract, compile and interrelate relevant information from a variety of resources
- 4. Demonstrate integration of information and concepts across the disciplines of health sciences and medical sciences
- 5. Use appropriate communication skills for scientific audience and context

Indicative reading list

Specific reading list for the module

Subject specific skills

Knowledge of health and medical sciences specific language, terms and nomenclature
Knowledge of the underpinning concepts of health and medical sciences, and their basic interrelationships

Transferable skills

Self-directed learning, group learning, evidence-based approach to problem solving, time management, integration of information

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Study

Study time

Type	Required
Lectures	22 sessions of 1 hour (15%)
Seminars	18 sessions of 1 hour (12%)
Tutorials	6 sessions of 1 hour (4%)
Practical classes	6 sessions of 1 hour (4%)
Online learning (independent)	28 sessions of 1 hour (19%)
Private study	40 hours (27%)
Assessment	30 hours (20%)
Total	150 hours

Private study description

Students will be expected to engage in 94 hours of self-directed learning outside of other learning and teaching activities outlined above. We anticipate that, of this approximately 30 hrs of this time is spent on preparation for the assessment and background reading.

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A2

Assessment component	Weighting	Study time	Eligible for self-certification

	Weighting	Study time	Eligible for self-certification
Group presentation of a case study	100%	30 hours	No

In this assessment, students will work in assigned groups to complete an integrated exploration of a case study, requiring them to apply the fundamental knowledge taught throughout the module.

Groups will be allocated timetabled preparation time to collaboratively analyse the case study, apply relevant course concepts, and develop a presentation that clearly communicates their findings and conclusions.

The student preparation and completion time includes scheduled protected time for students to work on their assessment as a group, the assessment itself (as all students are required to attend presentations, actively engage, and ask questions), as well as independent time spent researching the case.

Students will receive an individual mark that combines the group grade for the presentation with an evaluation of their individual contribution, as assessed through individual performance and contribution rating sheets.

Reassessment component

Individual recorded presentation of a case study		No

For the resit component, the students will work independently to complete an integrated exploration of a case study and will submit a recorded presentation of the case.

Feedback on assessment

Students will receive formative feedback on their in-class assessment. The summative assignment will be marked using standardised rubrics, which will provide constructive feedback to the students in line with WMS assessment criteria. Further verbal feedback will be available to students on request. Every student who fails an element will be offered an appointment for face to face feedback.

Availability

Courses

This module is Core for:

- Year 1 of UMDA-B990 Undergraduate Health and Medical Sciences