

MODULE SPECIFICATION

KEY FACTS

Module name	Engaging Technology in Health and Social Care
Module code	APM017
School	School of Health Sciences
Department or equivalent	Division of Nursing
UK credits	15
ECTS	7.5
Level	7

MODULE SUMMARY

Module outline and aims

This module will provide you with the opportunity to critically explore the concepts and developments of health and social care practice involving technology based assistive devices (Telehealth (TH), Telecare (TC) and Telemedicine (TM)).

The module will focus on theoretical, organisational, ethical and research perspectives in relation to tele-assistive devices. It will enable you to evaluate the use of technology in the delivery of health and social care services and appraise whether these technologies represent an effective choice for individuals seeking to maintain or improve their health and well-being. The module will critically question whether technology can play a role in enabling people with disabilities or long term conditions to care for themselves or support service users' carers.

The module aims to provide a learning experience which will focus on:

- Enhancing awareness and critical perspectives of current practice in TH, TC and TM
- Examining the application of TH, TC and TM for individuals with various long-term conditions or social care needs
- Exploring critically whether TH, TC and TM can be integrated with theoretically robust and evidence based self-management programmes for changing health behaviours and outcomes
- Reflecting on the practical implications for professional practice of introducing TC, TH and TM into contemporary health and social care
- Considering the political, legal, organisational, and social developments associated with tele-assistive care.
- Examining the service user and care-giver perspective of tele-assistive practice.

Content outline

- Terminology within tele-assisted health and social care systems
- Essential components of tele-assistive devices for health and social care

- Potential benefits and challenges of TH, TC and TM for care professionals and service users
- National and international perspectives on TH, TC and TM
- Impact of tele-assistive devices on healthcare utilisation and its cost-effectiveness
- Theoretical contexts for technology-assisted care to be effective in the management of long-term conditions
- TH, TC and TM case studies
- Service user and carer experiences of TH, TC and TM
- Service delivery models for TH, TC and TM
- Future perspectives on technology
- Information Governance (legal, ethical, privacy, and security issues)

This module will appeal to practitioners and researchers currently working within the field of tele-assistive devices or those with a specific interest in this emerging area of practice, in particular within the context of long-term health conditions.

WHAT WILL I BE EXPECTED TO ACHIEVE?

On successful completion of this module, you will be expected to be able to:

Knowledge and understanding:

- Describe different forms of tele-assistive devices and services
- Critically evaluate the advantages and disadvantages of different forms of tele-assistive devices for individuals with particular needs (including the type of information being transmitted)
- Identify and analyse theoretical mechanisms by which (i) TH and TM may impact upon user self-management of long-term conditions; and (ii) TC facilitates independent living
- Propose how TH, TC and TM may contribute to the achievement of personalised health and social care management for individuals
- Critically appraise the evidence to support the use of technology in clinical practice

Skills:

- Analyse the impact of TC and TH on existing services
- Identify important steps in designing a remote monitoring service
- Use 'minimum data sets' to analyse and evaluate TH and TC services
- Apply a reflective approach to integrating research findings into practice
- Apply critical thinking in the context of this field which can be transferred to different clinical settings.

Values and attitudes:

- Recognise the perspectives of patients, carers and user groups who receive tele-assistive devices and services
- Recognise the impact of tele-assistive devices on health and social service management and clinical staff
- Use a professional attitude and interpersonal communication skills towards participants, collaborators and colleagues when designing and implementing technology enabled practice
- Demonstrate respect for privacy and confidentiality issues in the context of remote health and social care

HOW WILL I LEARN?

Overview of learning and teaching methods used, including proportion of contact/self-directed/placement hours.

This module features a range of learning and teaching strategies. Lectures will be used to present the core theoretical concepts, followed by seminars, to analyse and debate the links between theory and practice.

Teaching and learning are facilitated by Moodle, the University's online Virtual Learning Environment. In the independent study time you will be encouraged and supported by lecturers, to read widely and in depth around particular topics and to critically share your understanding and experience with others using the online forum on Moodle.

Teaching pattern:

Teaching Component	Teaching type	Contact hours (scheduled)	Self-directed study hours (independent)	Placement hours	Total student learning hours
Lectures	Lecture	18	100	0	118
Seminars	Seminar		26	0	32
Totals		24	126	0	150

WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?

Assessments

Provide a 2,500 word reflective and critical analysis and review on the use, or potential use, of tele-assistive devices in your own department or team. This should include

evidence of critical engagement with the appropriate generic and discipline-specific literature.

Assessment criteria

Information on the above module assessment criteria and grade-related criteria can be found on the module space in Moodle.

Assessment pattern:

Assessment component	Assessment type	Weighting	Minimum qualifying mark	Pass/Fail?
2,500 word essay / self-reflection	Written assignment, including essay	100%	50%	N/A

Assessment criteria

Assessment Criteria are descriptions of the skills, knowledge or attributes you need to demonstrate in order to complete an assessment successfully and Grade-Related Criteria are descriptions of the skills, knowledge or attributes you need to demonstrate to achieve a certain grade or mark in an assessment. Assessment Criteria and Grade-Related Criteria for module assessments will be made available to you prior to an assessment taking place. More information will be available from the module leader.

Feedback on assessment

Lecturers and/or the module leader will be available to provide formative feedback and advice on the assessment. Following each assessment, marks and feedback will be provided in line with the Assessment Regulations and Policy, normally within 3 weeks of the submission deadline.

You can arrange to see the module leader or your personal tutor about any feedback you have been given if these are not clear.

Assessment Regulations

The Pass mark for the module is 50%. Any minimum qualifying marks for specific assessments are listed in the table above. The Programme Specification contains information on what happens if you fail an assessment component or the module.

INDICATIVE READING LIST

Books / Articles:

- Car J (2012). Telehealth for long term conditions. *BMJ* ; 344 doi:

<http://dx.doi.org/10.1136/bmj.e4201>

- Charness N, Demiris G & Krupinski E (2012). *Designing Telehealth for an Aging Population: A Human Factors Perspective*. Taylor & Francis.
- DelliFraine JL & Dansky KH (2008). Home-based telehealth: a review and meta-analysis. *J Telemed Telecare*, 14(2): 62-66.
- Fong B, Fong ACM & Li CK (2011). *Telemedicine Technologies: Information Technologies in Medicine and Telehealth*. Wiley: Chichester.
- Norris AC (2001). *Essentials of Telemedicine and telecare*. Wiley: Chichester.
- Wootton R (2006). *An Introduction to Telemedicine*. 2nd Ed., Royal Society of Medicine Press Ltd, London.

Websites:

- <http://www.dh.gov.uk/health/tag/wsd/>
- <http://www.kingsfund.org.uk/topics/telecare-and-telehealth>
- <http://3millionlives.co.uk/>
- <https://connect.innovateuk.org/web/dallas/overview>
- www.telesolutionses.co.uk
- <http://www.kingsfund.org.uk/topics/telecare-and-telehealth/impact-telehealth-review-evidence>

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Appendix: see

http://www.hesa.ac.uk/component/option,com_studrec/task,show_file/Itemid,233/mnl,12051/href,JACS3.html/ for the full list of JACS codes and descriptions

CODES

HESA Cost Centre	Description	Price Group
B	Subjects Allied to Medicine	

JACS Code	Description	Percentage (%)
1530	Tele healthcare	100%