

Summary Information

Module Code	5538NCCG
Formal Module Title	Data Analysis and Informatics
Owning School	Nursing and Allied Health
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Nelson and Colne College Group

Learning Methods

Learning Method Type	Hours
Lecture	48

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

SEP_NS-PAR	PAR	September (Non-standard start date)	12 Weeks
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Aims and Outcomes

Aims	This module aims to enable students to use, and evaluate the use of, information within a health and/or social care context. The module will enable students to show an understanding of concepts, methods and knowledge related to health informatics, to integrate and apply their understanding to the practice and problems of using health information and associated methods and technologies, to analyse problems and opportunities, and to collect, use, analyse and present information, evaluate and use appropriate research methodologies.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Demonstrate knowledge of the role of information, information management and technology within health and social care
MLO2	2	Apply quantitative and qualitative research methods to healthcare scenarios
MLO3	3	Apply advanced IT skills including data modelling
MLO4	4	Develop an information strategy.

Module Content

Outline Syllabus	Contexto Care records: clinical coding, manual and electronic care recordso Barriers to 'joined-up' careInformation and analysiso Introduction to statistical methodso Use of IT tools in data analysiso Qualitative and quantitative research methodsIT Systemso Information systems development methodologies o Data security and encryptiono Human computer interactiono Change management for IT systemsUsing information in healthcareo Digital skillso Information-based decision makingo Resource allocation and planningo Identification and mitigation of riskso Knowledge management in healthcareUsing information for enhancemento informed governanceo Empowering clientso Using knowledge to deliver sustainable service improvement Contemporary issues, for exampleo Lessons learned from the Covid-19 pandemic about informatics and the delivery of healthcareo Understanding and applying Health Statistics
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Case Study Analysis	50	0	MLO1, MLO2
Report	Assignment	50	0	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
James Evans	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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