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Wrexham University

Module specification

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Module Code	FY308
Module Title	Numeracy
Level	3
Credit value	20
Faculty	SLS
HECoS Code	101090
Cost Code	GAHW

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
SLS integrated Foundation Year	Option

Pre-requisites

None

Breakdown of module hours

Learning and teaching hours	40 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	**40** hrs
Placement / work based learning	0 hrs
Guided independent study	160 hrs
Module duration (total hours)	200 hrs

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Initial approval date	10/08/23
With effect from date	01/09/23

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Date and details of revision	
Version number	1

Module aims

This module aims to prepare students basic numeracy skills giving them the practical application of numeracy in the real world.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Identity and explain the use of numeracy information from a variety of sources
2	Adopt strategies to develop numeracy skills
3	Manually compute and calculate basic numerical calculation and cross check with a calculator
4	Relate mathematical solutions to real-world problems

Assessment

Indicative Assessment Tasks:
This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Assessment: A series of contextualised, real-world tasks related to mathematical problems.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1,2,3, 4	Coursework	100%

Derogations

None

Learning and Teaching Strategies

This module will be delivered via a 'blended learning approach'. Directed study tasks, which may include activities such as recorded lectures/ electronic content, discussion forums, quizzes, case studies, group tasks, workbooks, key readings, reflective activities or other appropriate learning activities, will be made available on the Virtual Learning Environment on a weekly basis. The module will also be supported by the Moodle VLE and pre-recorded content and resources aligned to the university's active learning framework (ALF).

Indicative Syllabus Outline

- Basic Arithmetic Operations & BODMAS
- Dealing with Negative Numbers
- Powers, Factors and Prime Numbers
- Fractions, Percentages and Ratios
- Basic algebra and Finding x
- Algebraic Graphs and Simultaneous Equations
- Cartesian Coordinate systems
- Basic Geometry and Pythagoras Theorem
- Data and Statistics
- Central Tendencies and Range
- Representing Data
- Representing Probabilities

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

https://www.corbettmaths.com/

Other indicative reading

https://www.mathsgenie.co.uk/ [accessed 30/03/21]

Luckett, K. (2020), *Math Made Simple: A Complete Guide in Ten Easy Lessons*. Portable Pr.

Neil, H. and Johnson, T. (2018), *Mathematics: A Complete Introduction: The Easy Way to Learn Maths.* Teach Yourself.

Neil, H. (2018), *Algebra: A Complete Introduction: The Easy Way to Learn Algebra.* Teach Yourself.

Employability – the University Skills Framework

Each module and programme is designed to cover core Graduate attributes with the aim that each Graduate will leave the University having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes
Engaged
Creative
Enterprising

Key Attitudes
Commitment
Curiosity
Confidence
Adaptability

Practical Skillsets
Digital Fluency
Organisation