STUDENT AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Information			
Module Title	Database and Data Banks (Course Project) [TSI]		
Module Code	UFCFWX-6-2	Level	Level 5
For implementation from	2022-23		
UWE Credit Rating	6	ECTS Credit Rating	3
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Module Type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
Educational Aims: The aim of the module to get practical skills in the design and implementation of information and reference systems using relational database technology.   **Outline Syllabus:** Description of the process of development of the reference and information system in the DBMS environment (task for course work, stages of work on the course).   Fundamentals of documenting a software product (writing a report);   Analysis of the subject area. Development of a database model;   Designing functions of system and its interface;   Selection of a database management system. Database and application implementation.   **Teaching and Learning Methods:** Students will be introduced to the module and assessment; they will be given access to passed examples and will be encouraged to ask questions before they begin their course paper.   The course paper is delivered as report which has programme code realised by students and description of the developed software.

Part 3: Assessment			
This module assessment consists of one element, which is course paper delivered in form of report.			
First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component A	✓	100 %	Course Paper
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component A		100 %	Course Paper

Part 4: Teaching and Learning Methods	
Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes: <table><tr><th>Module Learning Outcomes</th><th>Reference</th></tr><tr><td>Understand stages of database design</td><td>MO1</td></tr><tr><td>Understand and use of algorithm for the development of the relational model "entity-relationship"</td><td>MO2</td></tr><tr><td>Understand and use the basics for documenting the software product</td><td>MO3</td></tr><tr><td>Use specific DBMS to create databases</td><td>MO4</td></tr><tr><td>Use application development tools to interact with database using SQL</td><td>MO5</td></tr><tr><td>Design and implementation of relational databases</td><td>MO6</td></tr><tr><td>Identification and elimination of problems when designing databases</td><td>MO7</td></tr></table>
Contact Hours	**Independent Study Hours:** <table><tr><td>Independent study/self-guided study</td><td>48</td></tr><tr><td>**Total Independent Study Hours:**</td><td>48</td></tr></table> **Scheduled Learning and Teaching Hours:** <table><tr><td>Face-to-face learning</td><td>32</td></tr><tr><td>**Total Scheduled Learning and Teaching Hours:**</td><td>32</td></tr><tr><td>**Hours to be allocated**</td><td>60</td></tr><tr><td>**Allocated Hours**</td><td>80</td></tr></table>

Reading List	*The reading list for this module can be accessed via the following link:* https://rl.talis.com/3/uwe/lists/E21CBD0C-8BAD-6AFD-7B8C-1595070C82AA.html?lang=en-gb&login=1

Part 5: Contributes Towards
This module contributes towards the following programmes of study: Computer Science and Software Development [Oct][FT][TSI][4yrs] BSc (Hons) 2020-21 Computer Science and Software Development [Oct][PT][TSI][5yrs] BSc (Hons) 2020-21 BSc (Hons) 2020-21 Computer Science and Software Development [Feb][FT][TSI][4yrs] BSc (Hons) 2020-21 Computer Science and Software Development [Feb][PT][TSI][5yrs] BSc (Hons) 2020-21 BSc (Hons) 2020-21