New College Durham

Modification to a New College Durham Higher and HN Award

Information for the Modification Panel		
School:	**Tourism, Digital and Creative Industries**	**Date:19/05/2020**
Course Title:	**FdSc Business Computing FdSc Software Development FdSc Computing with Networking**	
Course Leader:	**Bozena Stansfield**	
Module/Unit code	**Module/Unit Title**	**Date change to be effective from**
ACC503	Advanced Database Concepts	01/09/2020
Precisely state the modification required:	Currently there are two components associated with this module. Component1 consists of LO1, O3 and O4, Report and Product, 75% weighting. Component2 consists of LO2, Time Constrained Test, 25% weighting. The proposed change will merge both components together into one component. New component will now consist of LO1, O2, O3 and O4, Report, Product and Time Constrained Test, 100% weighting.	
Rationale for proposed modification:	The subject matter of the current two components are not mutually exclusive, by merging the components together we will create a more holistic learning experience for the students. The time constrained test will become more integrated with the other learning outcomes making the overall learning experience more relevant and enjoyable for the students resulting in less exam anxiety.	

Checklist for accompanying documentation: *(please place a tick (✓) in the minor or major boxes to show appended evidence)*	Minor	Major
Minutes of Course Team Meeting(s) at which proposed changes have been agreed. (This should include evidence of consultation with students/student representatives)		✓
Evidence that external examiner has been consulted and informed of the proposed changes and that a documented response has been received		✓
Evidence that where relevant the professional, statutory, or regulatory body has been consulted and has approved the proposed changes		n/a
New Module Descriptor / New Course Specification/ Validation Document (as appropriate)		✓
Old Module Descriptor / Old Course Specification/Validation Document (as appropriate)		✓

Modification Proposers	Signature	Date
Head of School		21/5/2020
Curriculum Manager		21/05/2020
Course Leader		19/05/2020

Approval Signatories	Signature	Date
Head of Higher Education or Nominee		**29.06.2020**
Higher Education Quality Manager or Nominee		**29.06.2020**

Date modification(s) approved by the Panel:	**29.06.2020**
Date Business Information Service (BIS) informed of modification(s):	**29.06.2020**
Date the new version of the course documents are deposited in the J:Drive Validation Activity Folder and IDOX	**01.07.2020**

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Module Specification

Module Title: Advanced Database Concepts **(Proposed New Module Specification)**

Module Description:

The module will further develop the database design skills that the student acquired in level 4. Furthermore, this module will enable students to demonstrate advanced database skills using security strategies and enhanced SQL coding techniques. Students will also normalise and import a large volume of data from an external source to create and manage a working relational database solution. They will also be able to use a graphical interface to create and manage a database.

Module Code	ACC503	**Level**	5	**Credit Value**	20
Module Status	**Core**	**Y**	**Option**	**N**	

Module Aim:

This module will enable students to work with an industrial standard relational database management system. They will build on database techniques and concepts introduced at level 4 and gain an understanding of a range of business contexts including data warehousing and data analytics. Students will be able to work with the database using a variety of methods including Data Definition Language and Data Manipulation Language commands ~~as well as GUI (Graphical User Interface) interfaces~~.

Module Learning Outcomes:

1. Use suitable analysis techniques to design a relational database;
2. Apply SQL commands to create and modify a database, and to carry out complex database queries;
3. Use graphical interfaces to produce, use and manage a relational database;
4. Explain, justify and apply database administration issues such as efficiency and security.

Module Skills:

Students will develop a range of skills specifically related to the Business and IT Sector and to that of becoming a Higher Education student, including:

- Communicating effectively with others;
- Working effectively with others;
- Considering how to improve own learning and performance;
- Applying numerical techniques;
- Demonstrating employability skills;
- Ability to work under pressure;
- A commitment to quality;
- A thorough approach to work;
- Logical thinking and creative approach to problem solving.

Assessment Methods

Students will be asked to compile a report that analyses a current flat file spreadsheet and suggests solutions using a RDBMS database application. They will then be expected to employ suitable analysis

and design techniques and develop a solution using a professional RDBMS. The students will also develop their SQL coding skills to create and retrieve information from the database.

Report, Product and Time Constrained Test	Professional parameters to be applied	**LO1, 2, 3, 4**	**100%**

Module Specific Academic Regulations

Is this module compensatable?	Yes ✓	No
Modules for which this module is a prerequisite	• None	
Identify any Professional, Statutory or Regulatory Body requirements:	~~If yes, please state:~~	Not Applicable

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Module Information

Indicative Content

This module will build on the students' knowledge of relational database systems as covered in level 4. Students will briefly examine problems with the predecessors of relational database systems, namely hierarchical and network databases. They will look at the advantages and disadvantages of database systems as well as study the main features that should be present in a multi-user Relational Database Management System (RDBMS) such as transaction management, concurrency control, security and recovery procedures.

KU5.1 use knowledge and understanding in the modelling and design of computer-based systems for the purposes of comprehension, communication, prediction and the understanding of trade-offs.

KU5.2 deploy appropriate theory, practices and tools for the specification, design, implementation and evaluation of computer-based systems.

CS5.2 critically evaluate and analyse complex problems, including those with incomplete information, and devise appropriate solutions.

Mode of delivery / contact hours	**Mode**	**Hours**
	Full Time	50 Hours
	Part Time	50 Hours

Teaching and Learning Strategy

Students will be introduced to SQL using lectures and demonstrations. There will be many opportunities for practical sessions in which students can apply their skills and demonstrate their understanding in readiness for the time constrained test. This will include the use of both Data Definition Language and Data Manipulation Language commands. The students will then be introduced to a graphical interface method of working with a large database to allow them to use and evaluate both methods for ease of use, efficiency and effectiveness. Students will be encouraged to research aspects of security policies for RDBMS and work together to help each other wherever possible.

Learning Opportunities

Scenarios will be used to develop understanding of the application of various programming and design techniques; students will be encouraged to modify programmes to suit their own problem designs. There will be the opportunity for both independent and group activities and students will be encouraged to discuss problems and solutions that they encounter.

Reading Lists

E Learning Resources

SQL Bolt www.sqlbolt.com

Sololearn www.sololearn.com

Database eLearning. 2020. Database eLearning. [ONLINE] Available at: http://db.grussell.org/ .

Structured Query Language (SQL). 2020. Structured Query Language (SQL). [ONLINE] Available at: http://databases.about.com/od/sql/a/sqlbasics.htm .

SQL: Joins. 2020. SQL: Joins. [ONLINE] Available at: http://www.techonthenet.com/sql/joins.php

Essential Reading	Background Reading
Connelly, T & Begg, C. (2015), Database Systems A Practical Approach to Design, Implementation and Management, 6th Global Edition. Pearson, London ISBN: 9781292061184	Coronel, C., Morris, S. (2015), Database Systems: Design, Implementation and Management, 11th ed. Cengage Learning ISBN: 9781285196145

Other resource needs essential for delivery of this module:

Microsoft SQL Server Management Studio.

Modification Version Control					
Module Type *(delete Y/N as relevant)*	Generic Y / N	Common Y / N	Course Specific Y/ N		Stand Alone Y/ N
Date of first approval		**Date of last modification**		**Current version number**	
Details of modification made to module			**Date of modification**	**Nature of modification**	**Relevant course leaders informed**

Module Specification

Module Title: Advanced Database Concepts **(Current Module Specification)**

Module Description:

The module will further develop the database design skills that the student acquired in level 4. The students will be introduced to security strategies and advanced coding. They will also be able to use a graphical interface to create and manage a database.

Module Code	ACC503	**Level**	5	**Credit Value**	20
Module Status	**Core**	**Y**	**Option**	**N**	

Module Aim:

This module will enable students to work with an industrial standard relational database management system. They will build on database techniques and concepts introduced at level 4 and gain an understanding of a range of business contexts including data warehousing and data analytics. Students will be able to work with the database using a variety of methods including Data Definition Language and Data Manipulation Language commands as well as GUI (Graphical User Interface) interfaces.

Module Learning Outcomes:

1. Use suitable analysis techniques to design a relational database;
2. Apply SQL commands to create and modify a database, and to carry out complex database queries;
3. Use graphical interfaces to produce, use and manage a relational database;
4. Explain, justify and apply database administration issues such as efficiency and security.

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Report & Product	Professional parameters to be applied	LO1, 3, 4	75%
Time Constrained Test	Professional parameters to be applied	LO2	25%

Module Specific Academic Regulations			
Is this module compensatable?		Yes ✓	No
Modules for which this module is a prerequisite		• None	
Identify any Professional, Statutory or Regulatory Body requirements:		~~If yes, please state:~~	Not Applicable

Module Information

Indicative Content

This module will build on the students' knowledge of relational database systems as covered in level 4. Students will briefly examine problems with the predecessors of relational database systems, namely hierarchical and network databases. They will look at the advantages and disadvantages of database systems as well as study the main features that should be present in a multi-user Relational Database Management System (RDBMS) such as transaction management, concurrency control, security and recovery procedures.

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Structured Query Language (SQL). 2015. Structured Query Language (SQL). [ONLINE] Available at: http://databases.about.com/od/sql/a/sqlbasics.htm .

SQL: Joins. 2012. SQL: Joins. [ONLINE] Available at: http://www.techonthenet.com/sql/joins.php

SQLZoo [ONLINE] Available at: http://sqlzoo.net/

Essential Reading	Background Reading
Connelly, T & Begg, C. (2014), Database Systems A Practical Approach to Design, Implementation and Management, 6th Edition. Pearson, London	Coronel, C., Morris, S. (2014), Database Systems: Design, Implementation and Management, 11th ed. Cengage Learning

Other resource needs essential for delivery of this module:

SQL Server Express

Modification Version Control				
Module Type *(delete Y/N as relevant)*	Generic Y / N	Common Y / N	Course Specific Y/ N	Stand Alone Y/ N
Date of first approval		**Date of last modification**		**Current version number**	

Details of modification made to module	Date of modification	Nature of modification	Relevant course leaders informed

Course Team Meeting

Minutes Template

Name of School:	**Tourism, Digital & Creative Industries**		
Course Title:	**OU & NCD Foundation Degrees**		
Date of Meeting:	**Start Time:**	**Duration:**	**Location:**
31 January 2020	**12.00 pm**	**1hr**	**GR130**

Chair:		
	Name:	**Title / Course Responsibility:**
Attendees: *Please identify those who actually attended the meeting*		NCD FdSc Business Computing
		NCD FdSc Computing with Networking
		NCD FdSc Cyber Security
		NCD FdSc Software Development
		OU BSc (Hons) Business Computing
		OU BSc (Hons) Cyber Security
		OU BSc (Hons) Computing with Networking
		OU BSc (Hons) Digital Technology Solutions Apprenticeship
Student Representatives in attendance:		

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No	Agenda Item and discussion points
1	**Approved apologies for absence received from**: -
2	**Minutes of previous meeting** Confirmed as accurate.
3	**Matter arising** There were no matters arising.
4	Course related matters discussed *Please strike through those items below which were not considered at the meeting: -* a. **Teaching Learning and Assessment** Semester 2 has commenced. b. **Attendance monitoring reports (Columbus)** Columbus is up to date; staff are now using advantage. All registers are marked. c. **Learners at risk of not achieving or non-completing (PLC/tutorial support / learners support arrangements) *** X had populated any learners at risk which is stored on the J drive. Names would be transferred on to the RONI. d. **Student assessment performance monitoring (Tracker status)** The trackers are stored on the J drive Level 4, 5 and Level 6. e. **Module evaluations – Students / Tutor** All the students have the module feedback documents; the module tutors can do this during tutorials.

f.   Standardisation

All staff are using the standard documents, there is no new documents, staff to make sure it has the correct programme titles Level 6 OU etc.

g. IQA and EQA processes

Level 4 and Level 5 – the EV did have an issue with regards to his employment with the College, HR and Quality were looking into it, this is no resolved. The EV has confirmed all semester 1 assignment briefs are ok to use and is now looking at semester 2 and would receive the samples. Level 6 assignments are confirmed samples would be sent.

h. EQA (E.E.) Academic Standards and/or Annual Summative Reports

The EE would provide the report at assessment board X had contacted by email if attending there has been no response. Level 6 has confirmed his attendance.

i.   Course level survey analysis / NSS analysis

The results are not back yet.

j.   Course level performance (HE Data)

UnitE data would be updated when the EV has confirmed the samples 5 days prior to the board.

k. Validating body/ PSRB reports or visits

CNET computing networking needs revalidating JT is the programme lead.

l.   Modifications

Level 5 data base assignments - convert 2 assignment documents into one.
Level 4 data base need to change submission date to later so students have time to gain their skills.

	m. Resources Nothing is required. n. Other (*Please Specify*)	
5	**Any course related matters which should be considered in relation to the UK Quality Code for reference / guidance** Nothing to report.	
6	**External factors adversely impacting upon the student experience or the delivery of the course** Air conditioning in room G130 in winter blows cold and summer not on.	
7	**Matters to be carried forward for inclusion in the annual course report** Nothing to carry forward	
8	**Any other business (*noted at the start of the meeting*)** There was no other business discussed.	
9	Date and time of next meeting April 2020	
Name of Chair:		
Title	Programme Leader	
Signature:		Date: January 2020

*Note: Any discussions around the section must only be recorded in the minutes in such a way as to ensure individual anonymity.

From:
Sent: 17 June 2020 13:44
To:
Cc: _____

Subject: Re: Proposed modification to L5 Advanced Database Concepts module.

Hi ,

This is ok with me. I am just finalising the mod for you both now and will be emailing soon.

From:
Sent: 17 June 2020 10:11:03
To:
Cc:
Subject: RE: Proposed modification to L5 Advanced Database Concepts module.

Hi

I hope that you are well.

Thank you for your approval of the Proposed modification to the L5 Advanced Database Concepts module.

I would appreciated it if you could also view the attached staff change document HEQMP 9-5-2 and let me know if you are happy for the change of module leader to proceed.

Regards

From:
Sent: 19 May 2020 21:00
To:
Cc:
Subject: Re: Proposed modification to L5 Advanced Database Concepts module.

Hi ,

I am happy with the proposed changes. Hope you are all well, feels like ages since I was there at the start of all this!

Thanks

From:
Sent: 19 May 2020 16:40:13
To:
Cc:
Subject: Proposed modification to L5 Advanced Database Concepts module.

Hi

Please see attached documentation with regards to a proposed modification to L5 Advanced Database Concepts module.
This module is taught on Yr2 of Business Computing FdSc, Software Development FdSc and Computing with Networking FdSc.
I would appreciate it if you could view the HE Team Minutes item 4.I and the modification proposed in HEQMP 9-5-1 and let me know if you are happy for the change to proceed.

Kind regards

New College Durham

FdSc Business Computing
FdSc Software Development