Course Specification

Course Summary Information		
1	**Course Title**	MSc Business Intelligence
2	**BCU Course Code**	PT1243
3	**Awarding Institution**	Birmingham City University
4	**Teaching Institution(s)** (if different from point 3)	
5	**Professional Statutory or Regulatory Body (PSRB) accreditation** (if applicable)	

6	**Course Description**

The MSc Business Intelligence course is designed to provide you with the opportunity to gain in-depth knowledge and skills in a range of issues and concepts in Business Intelligence.

The course is designed for graduates from relevant technological subjects (such as Computer Science, Business Information Technology, as well as subject areas where statistical analysis is a core subject) and who wish to explore and gain knowledge pertaining to business intelligence and learn about data analytics from a computing perspective. It provides a robust grounding in key principles and tools, together with a strong focus on industrial applications, and will provide a foundation for either further research or a career applying leading edge software analytics technology.
You will work collaboratively with tutors, researchers and businesses applying practice-based skills to real-life case studies and live project briefs.

A key aspect of the course philosophy is that the learning experience integrates use of cutting edge technology with investigation of the wider theoretical context. Students will also learn about the skills needed to become a successful entrepreneur in the IT sector.

It is guided by our core values: inclusive education, partnership working, individual opportunity, successful graduate outcomes, excellence and internationalisation.   These enduring values are expected to be upheld by all you through, integrity, honesty, trust, fairness and respect towards self and others.

The course's mission is that *"our graduates' employability is transformed through our globally recognised research, innovative practice and outstanding educational experiences".* This is achieved by delivering a course driven by industry-based and research-led problem-solving and active learning, supported by assessments aligned to the development of knowledge and skills demanded in practice. This means that learning activities are designed to encourage and facilitate your ability to gain employment and sustain a professional career in Data Analytics by building your confidence and skills through hands-on experience and structured feedback to consolidate your learning.

Graduates from the course will be equipped for careers in business intelligence and data analytics which includes the analysis and extraction of information from Big Data from any type of industry and business. The career options for successful graduates from the course include roles as Business Intelligence Analyst, Data Warehousing Specialist, Consultant, Solutions Architect, Data Security Manager and Database Administrator. Studying towards a PhD is an additional option. We have an established data analytics group that can supervise PhD projects.

The Centre for Enterprise Systems was associated with BCU's Computer Science and Informatics submission to REF 2014 and the school is now building on its success by recruiting additional research-active staff including a Professor of Data Analytics.

7	Course Awards		
7a	**Name of Final Award**	**Level**	**Credits Awarded**
	MSc Business Intelligence	7	180
7b	**Exit Awards and Credits Awarded**		
	Postgraduate Certificate Data Analytics	7	60
	Postgraduate Diploma Business Intelligence	7	120

8	Derogation from the University Regulations
	Not applicable

9	Delivery Patterns			
Mode(s) of Study	**Location(s) of Study**	**Duration of Study**	**Code(s)**
Full Time	City Centre	1 year	PT1243
Part Time	City Centre	2 years	PT1244
Part Time (Jan start)	City Centre	2 years	PT0387

10	Entry Requirements

The admission requirements for this course are stated on the course page of the BCU website at https://www.bcu.ac.uk/ or may be found by searching for the course entry profile located on the UCAS website.

11	Course Learning Outcomes
1	Demonstrate knowledge and understanding of the theoretical concepts, processes, tools and technologies that underpin Business Intelligence.
2	Analyse the requirements of an organisation and evaluate business intelligence strategies and technologies for effective business intelligence solutions that meet the needs of all stakeholders
3	Specify, design, implement and communicate effectively business intelligence solutions utilising appropriate tools and techniques to meet the business needs.
4	Engage in independent learning by systematically researching a topic, synthesising and critically evaluating documents from a variety of web-based and traditional sources.

12	**Course Requirements**		
12a	**Level 7:** ***In order to complete this course a student must successfully complete all the following CORE modules (totalling 180 credits):***		

Module Code	Module Name	Credit Value
CMP7204	Databases for Enterprise	20
CMP7206	Data Mining	20
CMP7205	Applied Statistics	20
CMP7180	Business Intelligence and Technology Entrepreneurship	20
CMP7209	Data Warehousing	20
CMP7518	Research Methods and Project Management	20
CMP7200	Individual Master's Project	60

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12b   Structure Diagram

Level 7 (Full-Time)

SEMESTER ONE	SEMESTER TWO
Core CMP7204: Databases for Enterprise (20 Credits) CMP7206: Data Mining (20 Credits) CMP7205: Applied Statistics (20 Credits)	**Core** CMP7180: Business Intelligence and Technology Entrepreneurship (20 Credits) CMP7209: Data Warehousing (20 Credits) CMP7518: Research Methods and Project Management (20 Credits)
Core CMP7200: Individual Master's Project (60 credits)	

Level 7 (Part-Time)

YEAR 1 SEMESTER ONE	YEAR 1 SEMESTER TWO
Core CMP7204: Databases for Enterprise (20 Credits) CMP7206: Data Mining (20 Credits)	**Core** CMP7180: Business Intelligence and Technology Entrepreneurship (20 Credits) CMP7209: Data Warehousing (20 Credits)
YEAR 2 SEMESTER ONE	**YEAR 2 SEMESTER TWO**
Core CMP7205: Applied Statistics (20 Credits)	**Core** CMP7158: Research Methods and Project Management (20 Credits)
CMP7200: Individual Master's Project (60 credits)	

13 Overall Student Workload and Balance of Assessment

Overall student *workload* consists of class contact hours, independent learning and assessment activity, with each credit taken equating to a total study time of around 10 hours. While actual contact hours may depend on the optional modules selected, the following information gives an indication of how much time students will need to allocate to different activities at each level of the course.

- *Scheduled Learning* includes lectures, practical classes and workshops, contact time specified in timetable
- *Directed Learning* includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning
- *Private Study* includes preparation for exams

The *balance of assessment* by mode of assessment (e.g. coursework, written examination and practical examination) depends to some extent on the optional modules chosen by students. The approximate percentage of the course assessed by coursework, written examination and practical examination is shown below.

Level 7

Workload

% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	306
Directed Learning	510
Private Study	984
Total Hours	1800

Balance of Assessment

Assessment Mode	Percentage
Coursework	89%
Exam	
In-Person	11%