

Course Specification

Course Summary Information		
1	Course Title	MSc Enterprise Systems Management
2	BCU Course Code	PT1042
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
	<p>Planned business spend on IT continues to grow as business leaders put their trust in technology to drive business growth. Enterprise Systems Management is an innovative MSc degree course designed for those who want to pursue careers as managers and leaders in implementing technology-based information systems solutions and managing technological transformation within organisations.</p> <p>What's covered in the course? You will explore systems and activities within an enterprise that bring together processes, people and technology, you will support digital transformation strategies, and help streamline operations to gain competitive advantages, improved performance and reduced operational costs.</p> <p>You will learn:</p> <p>Strategic IS Planning: How to develop a strategic IS/IT plan that is aligned to the strategic information needs of the business.</p> <p>Enterprise Systems: How to manage the business processes to support the organisation to gain competitive advantage, improve performance, reduce operational cost, implement efficient business processes, and improve real-time decision-making capabilities via Enterprise Systems (ES), which incorporates ERP, CRM, SCM, and so forth.</p> <p>Operations Management: How to analyse, design and develop an Enterprise Resource Planning (ERP) system. MRP I, MRPII and PLM are core ERP technologies that have migrated from Manufacturing Industries to the Service sector.</p> <p>Digital Change Management: How to address the socio-technology challenges of leveraging value from the IS/IT in the digital society using agile methods. This involves making sense of the business requirements in order to ensure the end products will solve the business problem.</p> <p>Business Intelligence and Technology Entrepreneurship: How to manage and apply a range of visualisation tools to analyse and make business sense of data lakes, and to exploit data to construct informed business decisions.</p> <p>Principles of Project Management: How to deliver strategic value within an organisation and ensure the project (or business solution) is completed on time, within budget, within scope and at the desired performance level.</p> <p>Individual Master's Project: A practice-based module working in collaboration with an organization or research-based project within the Socio-Technical Systems Research group to apply multi-disciplinary skills to design innovative solutions to the challenges of digital transformation.</p>

	<p>To further recognise the significance of employability and to complement the academic content of this programme you are also provided the opportunity to undertake SAP Certification in a number of key areas including Enterprise Resources Planning (ERP) or Business Warehouse (BW).</p> <p>Graduates from the course will be equipped for careers in a range of sought-after positions including: Junior Consultant, Project Manager, Change Analyst, Digital Transformation – Business Analyst, Business Intelligence Analyst</p>
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7	Course Awards		
7a	Name of Final Award	Level	Credits Awarded
	Master of Science Enterprise Systems Management	7	180
	Master of Science Enterprise Systems Management with Professional Placement	7	240
7b	Exit Awards and Credits Awarded		
	Postgraduate Certificate Enterprise Systems Management	7	60
	Postgraduate Diploma Enterprise Systems Management	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 September	City Centre	12 months	PT1042
	Full Time January	City Centre	12 months	PT1042
	Part Time September	City Centre	24 months	PT1157
	Part Time January	City Centre	28 months	PT1159
	Full Time January 'with Professional Placement'	City Centre (and placement provider)	18 months	PT1334
	Full Time September 'with Professional Placement'	City Centre (and placement provider)	18 months	PT1334

10	Entry Requirements
	<p>The admission requirements for this course are stated on the course page of the BCU website at https://www.bcu.ac.uk/.</p>

11 Course Learning Outcomes	
Knowledge and Understanding	
1	Demonstrate knowledge of advanced theories, concepts and principles relevant to the development and operation of information systems (IS) and, in particular, Enterprise Systems within a socio-technical context.
2	Express a detailed understanding of the key tools, technologies and techniques in the design and implementation of effective enterprise systems.
3	Communicate advanced knowledge of emerging trends in manufacturing, logistics, project management and intelligent systems.
4	An awareness of social, cultural, environmental, ethical and regulatory aspects related to management of information systems.
Cognitive and Intellectual Skills	
5	Apply advanced knowledge to analyse the requirements for business processes, technologies and standards for designing secure management information systems.
6	Evaluate information systems solutions, strategies and business models and make recommendations for their development and deployment to meet business goals.
7	Argue rationally and draw independent conclusions based on a rigorous, analytical and critical approach to the design and implementation of enterprise information systems.
Practical and Professional Skills	
8	Apply the principles, methods and tools of systems design to develop enterprise systems that meet business needs.
9	Assess software modelling tools and techniques for the design and evaluation of business processes and organisation domain problems.
10	Utilise software tools and analytical techniques to monitor and assess the operations management of an organisation.
11	Apply project management methods and techniques and effectively communicate information to implement and manage enterprise systems.
Key Transferable Skills	
12	Manage learning and self-development, including time management and prioritise work when tackling and solving complex problems.
13	Communicate effectively in writing, orally and in presentations to specialist and non-specialist audiences.
14	Systematically research a topic, synthesising and critically evaluating documents from a variety of web-based and traditional sources.
15	In cooperation with others, plan and implement tasks at a professional level and contribute to team goals through making sound judgements.

12	Course Requirements																														
12a	<p>Level 7:</p> <p><i>In order to complete this course a student must successfully complete all the following CORE modules (totalling 180 credits):</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #ffff00;">Module Code</th> <th style="background-color: #ffff00;">Module Name</th> <th style="background-color: #ffff00;">Credit Value</th> </tr> </thead> <tbody> <tr> <td>CMP7177</td> <td>Enterprise Systems</td> <td>20</td> </tr> <tr> <td>ENG7160</td> <td>Operations Management</td> <td>20</td> </tr> <tr> <td>CMP7212</td> <td>Strategic Information Systems Planning</td> <td>20</td> </tr> <tr> <td>CMP7211</td> <td>Digital Change Management</td> <td>20</td> </tr> <tr> <td>CMP7180</td> <td>Business Intelligence and Technology Entrepreneurship</td> <td>20</td> </tr> <tr> <td>ENG7143</td> <td>Principles of Project Management</td> <td>20</td> </tr> <tr> <td>CMP7200</td> <td>Individual Master's Project</td> <td>60</td> </tr> </tbody> </table> <p>Level 6:</p> <p>In order to qualify for the award of MSc Enterprise Systems Management with Professional Placement, a student must successfully complete all of the Level 7 modules listed above as well as the following Level 6 module:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #ffff00;">Module Code</th> <th style="background-color: #ffff00;">Module Name</th> <th style="background-color: #ffff00;">Credit Value</th> </tr> </thead> <tbody> <tr> <td>PLA6004</td> <td>Professional Placement</td> <td>60</td> </tr> </tbody> </table>	Module Code	Module Name	Credit Value	CMP7177	Enterprise Systems	20	ENG7160	Operations Management	20	CMP7212	Strategic Information Systems Planning	20	CMP7211	Digital Change Management	20	CMP7180	Business Intelligence and Technology Entrepreneurship	20	ENG7143	Principles of Project Management	20	CMP7200	Individual Master's Project	60	Module Code	Module Name	Credit Value	PLA6004	Professional Placement	60
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12b Structure Diagram
Full-time September

Year 1 1st Semester (Sept – Dec)	Enterprise Systems (20 credits)	Operations Management (20 credits)	Strategic Information Systems Planning (20 credits)
Year 1 2nd Semester (Jan – May)	Digital Change Management (20 credits)	Business Intelligence and Technology Entrepreneurship (20 credits)	Principles of Project Management (20 credits)
Year 1 3rd Semester (May- Sept)	Individual Master's Project (60 credits)		

Part time September

Year 1 1st Semester (Sept – Dec)	Enterprise Systems (20 credits)	Operations Management (20 credits)
Year 1 2nd Semester (Jan – May)	Digital Change Management (20 credits)	Business Intelligence and Technology Entrepreneurship (20 credits)
Year 2 1st Semester (Sept – Dec)	Strategic Information Systems Planning (20 credits)	
Year 2 2nd Semester (Jan – May)	Principles of Project Management (20 credits)	Individual Master's Project (60 Credits)
Year 2 3rd Semester (May – Sept)		

Full time January

Year 1 1st Semester (Jan – May)	Enterprise Systems (20 credits)	Operations Management (20 credits)	Strategic Information Systems Planning (20 credits)
Year 1 2nd Semester (June - Sept)	Digital Change Management (20 credits)	Business Intelligence and Technology Entrepreneurship (20 credits)	Principles of Project Management (20 credits)
Year 2 1st Semester (Sept - Jan)	Individual Master's Project (60 credits)		

Part time January

Year 1 1st Semester (Jan – May)	Digital Change Management (20 credits)	Business Intelligence and Technology Entrepreneurship (20 credits)
Year 1 2nd Semester (Sept – Dec)	Enterprise Systems (20 credits)	Operations Management (20 credits)
Year 2 1st Semester (Jan – May)	Strategic Information Systems Planning (20 credits)	
Year 2 2nd Semester (Sept – Dec)	Principles of Project Management (20 credits)	Individual Master's Project (60 credits)
Year 3 1st Semester (Jan – May)		

Professional Placement - Full time January

Year 1 1st Semester (Jan – May)	Enterprise Systems (20 credits)	Operations Management (20 credits)	Strategic Information Systems Planning (20 credits)
Year 1 2nd Semester (June - Sept)	Digital Change Management (20 credits)	Business Intelligence and Technology Entrepreneurship (20 credits)	Principles of Project Management (20 credits)
Year 2 1st Semester (Sept - Jan)	Individual Master's Project (60 credits)		
Year 2 2nd Semester (Jan - May)	Professional Placement (60 credits)		

Professional Placement - Full time September

Year 1 1st Semester (Sept - Dec – May)	Enterprise Systems (20 credits)	Operations Management (20 credits)	Strategic Information Systems Planning (20 credits)
Year 1 2nd Semester (Jan - May)	Digital Change Management (20 credits)	Business Intelligence and Technology Entrepreneurship (20 credits)	Principles of Project Management (20 credits)
Year 2 1st Semester (May - Sept)	Individual Master's Project (60 credits)		
Year 2 2nd Semester (Sept - Jan)	Professional Placement (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, exam and in-person) depends to some extent on the optional modules chosen by students. The approximate percentage of the course assessed by coursework, exam and in-person is shown below.

Level 7

Workload

% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	294
Directed Learning	556
Private Study	950
Total Hours	1800

Balance of Assessment

Assessment Mode	Percentage
Coursework	70%
Exam	0
In-Person	30%