**Programme Specification**

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| **MSc Logistics** |

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| 1. **Awarding Institution/Body**
 | University of Kent |
| 1. **Teaching Institution**
 | University of Kent |
| 1. **School responsible for management of the programme**
 | Kent Business School |
| 1. **Teaching Site**
 | Canterbury  |
| 1. **Mode of Delivery**
 | Full-timePart-time  |
| 1. **Programme accredited by**
 | CILT (from 2016 onward) |
| 1. **Final Award**
 | MSc, PGDip |
| 1. **Programme**
 | Logistics |
| 1. **UCAS Code (or other code)**
 | N/A |
| 1. **Credits/ECTS value**
 | 180 (90 ECTs) |
| 1. **Study Level**
 | PG |
| 1. **Relevant QAA subject benchmarking group(s)**
 | Masters awards in Business and Management |
| 1. **Date of creation/revision** (note that dates are necessary for version control)
 | April 2011/Oct 2012/March 2014 |
| 1. **Intended Start Date of Delivery of this Programme**
 | Sept 2013 |

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| 1. **Educational Aims of the Programme**

The programme aims to: |
| * Provide advanced study in the design, analysis and implementation of the techniques used in the area of logistics (SB 2.1, 2.2).
* Educate individuals as logistic specialists, and thus to improve the quality of management as a profession (SB 2.1).
* Prepare students to be operationally effective in the area of logistics and prepare them for an academic career in the logistic research if desired. (SB2.7).
* Foster enhancement of lifelong learning skills and personal development so as to be able to work with self-direction and originality and to contribute to business and society at large (SB2.1, 2.5).
* Provide students with a range of conceptual, analytical and research skills in logistics that enhance the company visibility and add value to its products so to gain a competitive advantage (SB 2.1, 2.3).
* Educate individuals as managers and logistic specialists to operate in coordinated, multi-enterprise organisations and thus improve the quality of management as a profession (SB 2.1, 2.2, 2.5).
* Provide career development opportunities by enhancing the understanding and professional competence in individuals who are already experienced managers and who wish to enhance their competence through a structured course of study (SB 2.1).
* Add value to first degrees by offering students a theoretical and practical examination of the main activities that have an impact within the supply chain to respond to today’s global and highly competitive markets (SB 2.1).
* Develop an appropriate range of cognitive, critical and intellectual skills, research skills and relevant personal and interpersonal skills (SB 3.3).
* Enhance the quality of applicants to Kent Business School programmes, both from the UK and overseas
* Use the expertise and experiences of the members of the Centre for Logistics and Heuristic Optimisation.
* Build an effective performance within team environments and the ability to recognise and use individuals’ contributions in group processes and to negotiate and persuade or influence others; team selection, delegation, development and management.
* Be able to recognise and address ethical dilemmas and corporate social responsibility issues, applying ethical and organisational values to situations and choices. (SB3.10)
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| **16 Programme Outcomes** |

**A. Knowledge and Understanding of:** (i.e. subject-specific knowledge and understanding)

1. All the activities that exist within logistics and their effect on the overall performance of the company in gaining competitive advantage (SB 2,1. 2.2)

2. The various challenges which exist when studying the integration of the various logistical drivers (SB 2.1. 2.3)

3. Specific strategies to maximize the flow of products/services and information and raw materials to the final point of consumption (SB 2.2, 3.2)

4. Some quantitative methods that are used in achieving the best option when addressing a given activity within logistics (SB 2.4, 3.3)

5. A critical awareness of current issues in Logistic research such as green and reverse logistic, new technology which is informed by leading edge research and practice in the field (SB 2.2, 3.2)

6. The uses and limitations of a range of research methods/techniques in the field of logistics and an understanding of their strengths and weaknesses for providing information and evaluating options in the design and control of a supply chain (SB 2.3, 3.2, 3.3)

**Teaching/learning and assessment methods and strategies used to enable outcomes to be achieved and demonstrated**

**Teaching and learning**

Lead lectures; seminars; self-directed learning facilitated by study guides and web-based material; problem-based learning scenarios; individual and group presentations; individual and group research and project work

**Assessment**

Written examination papers (time constrained); coursework essays and reports; dissertations/reports; presentations.

**Skills and Other Attributes**

**B. Intellectual Skills:** (i.e. subject-specific intellectual skills)

1 Critical thinking and creativity together with a practical understanding of how established techniques of research and enquiry are used to develop and interpret knowledge in business and management (SB 2.3, 2.4, 3.3)

2 Learning through reflection in practice and experience (SB 2.3, 2.4, 3.3)

3 Ability to select, organise, develop and synthesise complex material (SB 2.3, 2.4, 3.3)

4 Formulate and test hypotheses using appropriate quantitative techniques including statistical data analysis (SB 2.4, 3.3)

5 Ability to plan, work and study independently and use resources in a way which reflects best current practice and anticipated future practice (SB 2.1, 2.3, 2.4, 3.3) .

6 Integrative capability to communicate and co-ordinate or eventually lead a team of multifunctional specialists (SB 2.3, 2.4, 3.3.)

**Teaching/learning and assessment methods and strategies used to enable outcomes to be achieved and demonstrated**

Intellectual skills are developed through the teaching and learning methods outlined above and in Section 17. Information evaluation, analysis and problem-solving skills are promoted through the use of study guides, student-led seminars, individual and group research and project.

Statistical skills are developed in selected modules exercises and subsequently in the individual research project. Individual, formative and summative feedback is given to students on all work produced including oral presentations.

Assessment is through coursework, unseen written examinations and the individual research project

**C. Subject-specific Skills:** (These will include practise and professional skills)

1 Problem solving and decision making; establishing criteria; using appropriate decision techniques including identifying, formulating and solving business problems; the ability to create, identify and evaluate options; the ability to implement and review decisions (SB 2.4, 3.3)

2 Ability to conduct research into the design of supply chain by considering all the logistical drivers so to gain a competitive edge (SB 2,1. 2.2)

3 Ability to identify critical issues within logistics that could add value to a company’s product or service

4 Prepare technical reports (SB 2.4, 3.3)

5 Use literature and secondary data sources effectively (SB 2.4, 3.3)

6 Give technical presentations to informed audiences (SB 2.4, 3.3, 2.5)

7 Use statistical and computational tools and packages (SB 2.4, 3.3)

**Teaching/learning and assessment methods and strategies used to enable outcomes to be achieved and demonstrated**

**Teaching/learning methods and strategies**

• Readings

• Lectures

• Visiting speakers

• Tutor-led workshops

• Seminars

• Case studies

• Discussions

• Peer group learning

• Project work

• Business and management reports

**Assessment methods and strategies**

• Coursework assignments

• Presentations

• Group work

• Examinations

• Project reports

• Business and management reports

**D. Transferable Skills:** (Non-subject specific key skills)

1. Communicate effectively through oral and written presentations (SB 2.5, 3.3)

2. Apply quantitative techniques appropriately (SB 2.4, 2.5, 3.3)

3. Information and knowledge; scanning and organising data; abstracting meaning from information and sharing knowledge (SB 2.4, 2.5, 3.3)

4. Able to demonstrate the use of a range of media including ICT (SB 2.4, 2.5, 3.3)

5. Operate effectively in a variety of team roles and take leadership roles, where appropriate (SB 2.4, 2.5, 3.3)

6. Personal effectiveness: self-awareness and self-management; time management; sensitivity to diversity in people and in different situations; the ability to continue learning (SB 2.4, 2.5, 3.3)

**Teaching/learning and assessment methods and strategies used to enable outcomes to be achieved and demonstrated**

Transferable skills are developed through the teaching and learning programme outlined above and in Section 17.

Skill D1 is taught through coursework and student led seminars and developed through feedback on reports, essays and oral presentations.

Skill D2 is taught through lectures and exercises and developed, as appropriate, during individual research projects and group work.

Skill D3 is developed through individual and group project work.

Skill D4 is developed through literature searching, student presentations and exercises, projects and other coursework activities and individual learning.

Skill D5 is encouraged and developed throughout the course.

Skill D6 is developed throughout the course within a framework of staged coursework deadlines and the timing of examinations and research report supervision and submission.

Skills D1-D3 are assessed through coursework, seminar presentations, written examinations, oral examinations, project work etc.

The other skills are not addressed formally.

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| For information on which modules provide which skills, see the module mappingThe module mapping is best presented as a table and should be attached to the programme specification. See end of this document for an example.  |

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| **17 Programme Structures and Requirements, Levels, Modules, Credits and Awards**This programme is studied over one year full-time or two years part-time. For the latter the student takes 2 modules each term. The choice of these modules can be discussed with the DoS but CB9058 and CB8023 cannot precede CB996. The dissertation can either start in year 1 but on a part time basis or in year 2 but on a full time basis depending on the student preference.The programme has a balanced structure with 3 compulsory modules and one optional module in each term. The choice of the optional modules is carefully designed for the student to choose from a breadth of modules. The compulsory modules will equip the student with the necessary background and knowledge of the methods that can be used and the various issues that could arise in logistics. The programme is divided into two stages. Stage 1 comprises modules to a total of 120 credits and Stage 2 comprises a 60 credit dissertation module. Students must successfully complete each module in order to be awarded the specified number of credits for that module. One credit corresponds to approximately ten hours of 'learning time' (including all classes and all private study and research). Thus obtaining 180 credits in an academic year requires 1,800 hours of overall learning time. For further information on modules and credits refer to the Credit Framework at <http://www.kent.ac.uk/teaching/qa/credit-framework/creditinfo.html> Each module is designed to be at a specific level. For the descriptors of each of these levels, refer to Annex 2 of the Credit Framework at <http://www.kent.ac.uk/teaching/qa/credit-framework/creditinfoannex2.html>. To be eligible for the award of a masters degree students must obtain 180 credits, at least 150 of which must be Level M. Students who obtain 120 credits, but excluding the dissertation, will be eligible for the award of Postgraduate Diploma in Logistics. Students are required to take eight modules in total, of which six are compulsory (three in each term). The remaining two optional modules (30 credits) can be taken from the lists provided or, at the discretion of the DoS, opt for other optional modules from the Business School. Compulsory modules are core to the programme and must be taken by all students studying the programme. Optional modules provide a choice of subject areas, from which students will select a stated number of modules. Where a student fails a module(s) due to illness or other mitigating circumstances, such failure may be condoned, subject to the requirements of the Credit Framework and provided that the student has achieved the **programme** learning outcomes. For further information refer to the Credit Framework at <http://www.kent.ac.uk/teaching/qa/credit-framework/creditinfo.html>. Where a student fails a module(s), but has marks for such modules within 10 percentage points of the pass mark, the Board of Examiners may nevertheless award the credits for the module(s), subject to the requirements of the Credit Framework and provided that the student has achieved the **programme** learning outcomes. For further information refer to the Credit Framework. Note that CB996 is non-compensatable and non-condonable and is marked with an asterix (\*) below. One of the topics within CB8023 will cover the main aspects of research skills and methods which will be used in CB9057 and will run every year by KBS staff. This module CB8023 is non-compensatable and non-condonable for those students allowed to do the MSc project and is marked by 2 asterix (\*\*) below. |

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| **Code** | **Title** | **Level** | **Credits** | **Term(s)** |
| **Stage 1** |
| **Compulsory Modules** |
| CB921 | Spreadsheets and Decision Support Systems | M | 15 | 1 |
| CB996\* | Introduction to Logistics and Supply Chain Management | M | 15 | 1 |
| CB932 | Management of Operations | M | 15 | 1 |
| CB9040 | Data Mining and Forecasting | M | 15 | 2 |
| CB8023\*\* | Contemporary Topics in Logistic Research | M | 15 | 2 |
| CB9058 | Warehousing and Transport Management | M | 15 | 2 |
| **Optional Modules** Students must select 1 option in Term 1 and 1 option in Term 2. The following modules are recommended though the students could at the discretion of the DoS opt for other optional modules that are provided at KBS. |
| CB969 | Statistics for Management | M | 15 | 1 |
| CB935 | Organisational Behaviour and Human Resource Management | M | 15 | 1 |
| CB997 | Management Science Modelling | M | 15 | 1 |
| CB933 | Marketing | M | 15 | 1 |
| CB937 | Financial and Management Accounting | M | 15 | 1 |
| CB904 | Structure and Organisation of the e-Enterprise | M | 15 | 2 |
| CB968 | Performance Management | M | 15 | 2 |
| CB927 | Heuristics and Optimisation | M | 15 | 2 |
| CB966 | Simulation & Optimization Software | M | 15 | 2 |
| CB859 | Managing the Multinational Enterprise | M | 15 | 2 |
| CB9067 | Digital Marketing | M | 15 | 2 |
| **Stage 2** |
| **Compulsory Modules** |
|  CB9057 | MSc Dissertation in Logistics | M | 60 | 3 |

1. Note that not all modules will be offered each year unless the module is compulsory on other MSc degrees, or there is not a cap which cannot be exceeded.

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| **18 Work-Based Learning** |
| Where relevant to the programme of study, provide details of any work-based learning element, inclusive of employer details, delivery, assessment and support for students. |
| * There is no work-based learning available on this programme
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| **19 Support for Students and their Learning** |
| * School and University induction programme
* Programme/module handbooks
* Student Support and Wellbeing [www.kent.ac.uk/studentsupport/](http://www.kent.ac.uk/studentsupport/)
* Student Learning Advisory Service <http://www.kent.ac.uk/uelt/about/slas.html>
* Counselling Service [www.kent.ac.uk/counselling/](http://www.kent.ac.uk/counselling/)
* Kent Union [www.kentunion.co.uk/](http://www.kentunion.co.uk/)
* Graduate Student Association (GSA) [www.kent.ac.uk/graduateschool/community/woolf.html](http://www.kent.ac.uk/graduateschool/community/woolf.html)
* Graduate School (Provision of (i) skills training (workshops and online courses) (ii) institutional level induction and (iii) student-led initiatives such as social events, conferences and workshops) [www.kent.ac.uk/graduateschool/index.html](http://www.kent.ac.uk/graduateschool/index.html)
* Information Services (computing and library services) [www.kent.ac.uk/is/](http://www.kent.ac.uk/is/)
* Postgraduate student representation at School, Faculty and Institutional levels
* Centre for English and World Languages [www.kent.ac.uk/cewl/index.html](http://www.kent.ac.uk/cewl/index.html)
* Careers and Employability Services [www.kent.ac.uk/ces/](http://www.kent.ac.uk/ces/)
* International Office [www.kent.ac.uk/international/](http://www.kent.ac.uk/international/)
* Medical Centre [www.kent.ac.uk/counselling/menu/Medical-Centre.html](http://www.kent.ac.uk/counselling/menu/Medical-Centre.html)
* Library services, see <http://www.kent.ac.uk/library/>
* PASS system, see <http://www.kent.ac.uk/teaching/qa/codes/taught/annexg.html>
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| **20 Entry Profile**The minimum age to study a degree programme at the university is normally at least 17 years old by 20 September in the year the course begins. There is no upper age limit. |
| 20.1 **Entry Route**For fuller information, please refer to the University prospectus |
| **UK Students**Normally an upper second class honours degree in a relevant subject from a United Kingdom or other approved university**Accreditation of Prior Learning**We will consider evidence of previous study which indicates the ability to successfully follow the programme. In particular, applicants who do not meet the requirements above may be admitted subject to interview and may be required to take the GMAT test.**International applicants**Normally an upper second class honours degree in a relevant subject from a United Kingdom or other approved university.In addition, you also need to demonstrate your proficiency in English and we ask for one of the following:* Applicants must normally achieve an overall IELTS score of 6.5 (with a minimum of 6.0 in both Reading and Writing) or equivalent.
* Applicants who do not meet the required IELTS score can apply to undertake a pre-sessional programme (19, 12 or 6 week) in order to reach the required 6.5 IELTS score or equivalent.
* Applicants who do not meet the entry criteria for a MSc/MBA programme will be offered the Graduate Diploma in International Management with Management English providing they hold a minimum honours degree and IELTS score of 5.5 (minimum of 5.5 in all components) and meet any programme specific entry requirements.
* TOEFL score: iBT – 100 (including 22 in reading and writing, 21
* listening and 23 speaking)
* Grade A in Cambridge Advanced Certificated in English.
* Pearson Test of English (PTE) 68 (including 65 in all four subjects)
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| 20.2 **What does this programme have to offer?** |
| * An excellent grounding in logistic research and application, supply chain design and the management and the understanding of the activities within a logistic system so to gain a competitive advantage
* The development of a broad range of skills that are sought after by employers and which open up a wide range of business and management careers to graduates
* A flexible and integrated approach to learning which reflects the needs of differing groups of students
* The opportunity to integrate academic and work-place learning
* The opportunity to learn from, and develop networks with, fellow students
* An international perspective on business and management issues with a focus on logistic systems.
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| 20.3 **Personal Profile** |
| * Strong interest in logistics planning, control and design
* Strong interest in the application of quantitative and qualitative methods to managerial decisions within logistic systems and beyond
* Desire to acquire knowledge to apply in cross-disciplinary contexts
* A commitment to develop the skills and knowledge required to analyse strategically as well as operationally management and decision problems within logistic systems
* An ability to work with others and as an individual
* Good English communication skills
* Good ICT skills and a willingness to develop them further that include the hardware and the software used as part of the logistic technology
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| 21 **Methods for Evaluating and Enhancing the Quality and Standards of Teaching and Learning** |
| 21.1 **Mechanisms for review and evaluation of teaching, learning, assessment, the curriculum and outcome standards** |
| * Quality Assurance Framework <http://www.kent.ac.uk/teaching/qa/codes/index.html> Periodic Programme Review <http://www.kent.ac.uk/teaching/qa/codes/taught/annexf.html>
* External Examiners system <http://www.kent.ac.uk/teaching/qa/codes/taught/annexk.html>
* Annual programme and module monitoring reports <http://www.kent.ac.uk/teaching/qa/codes/taught/annexe.html>
* QAA Higher Education Review, see <http://www.qaa.ac.uk/InstitutionReports/types-of-review/higher-education-review/Pages/default.aspx>
* Student module evaluations
* Annual staff appraisal
* Peer observation
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| 21.2 **Committees with responsibility for monitoring and evaluating quality and standards** |
| * Board of Examiners
* School Graduate Studies Committee
* Faculty Graduate Studies Committee
* Faculty Board
* Graduate School Board
* Staff/Student Liaison Committee
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| 21.3 **Mechanisms for gaining student feedback on the quality of teaching and their learning experience** |
| * Staff-Student Liaison Committee
* Postgraduate Taught Experience Survey (PTES)
* Student module evaluations
* Postgraduate Student Representation System (School, Faculty and Institutional level)
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| 21.4 **Staff Development priorities include:** |
| * Annual Appraisals
* Institutional Level Staff Development Programme
* Study Leave
* Academic Practice Provision (PGCHE, ATAP and other development opportunities)
* PGCHE requirements
* HEA (associate) fellowship membership
* Professional body membership and requirements
* Programme team meetings
* Research seminars
* Conferences
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| 22 **Indicators of Quality and Standards** |
| * Annual External Examiner reports
* Results of periodic programme review (April 2011)
* Annual programme and module monitoring reports
* Graduate Destinations Survey
* Postgraduate Taught Experience Survey (PTES) results
* QAA Institutional Audit 2008
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| 22.1 The following reference points were used in creating these specifications: |
| * QAA UK Quality Code for Higher Education
* QAA Benchmarking statement/s for (Masters in Business & Management)
* School and Faculty plan
* University Plan/Learning and Teaching Strategy
* Staff research activities
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Template last updated January 2014

**Module Mapping of Compulsory and Core Modules**

Note that the shaded column (Dissertation) will not form part of the Postgraduate Diploma.

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|  | **CB921** **(Spread Sheet & Decision Support Systems)** | **CB996 (Introduction to Logistic and Supply Chain Management)** | **CB992 (Management & Operations)** | **CB9058****(Warehousing and Transport Management)** | **CB9040** **(Data Mining and Forecasting)** | **CB8023****(Contemporary Topics in Logistic Research)** | **CB9057****(Dissertation)** |
| *A1* |  | **X** |  |  |  | **X** | **X** |
| *A2* |  | **X** |  | **X** |  | **X** | **X** |
| *A3* |  | **X** | **X** | **X** |  | **X** | **X** |
| *A4* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| *A5* |  | **X** |  | **X** |  | **X** | **X** |
| *A6* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
|  |  |  |  |  |  |  |  |
| *B1* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| *B2* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| *B3* | **X** | **X** | **X** |  | **X** |  | **X** |
| *B4* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| *B5* | **X** | **X** |  | **X** | **X** | **X** | **X** |
| *B6* |  | **X** | **X** | **X** |  | **X** | **X** |
|  |  |  |  |  |  |  |  |
| *C1* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| *C2* |  | **X** |  | **X** |  | **X** | **X** |
| *C3* |  | **X** |  |  |  | **X** | **X** |
| *C4* | **X** | **X** | **X** |  |  | **X** | **X** |
| *C5* |  | **X** | **X** |  | **X** | **X** | **X** |
| *C6* |  | **X** |  | **X** |  | **X** |  |
| *C7* | **X** | **X** | **X** | **X** | **X** |  | **X** |
|  |  |  |  |  |  |  |  |
| *D1* |  | **X** | **X** |  |  | **X** | **X** |
| *D2* | **X** | **X** |  | **X** | **X** | **X** | **X** |
| *D3* | **X** |  |  | **X** | **X** | **X** | **X** |
| *D4* | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| *D5* |  | **X** |  | **X** |  | **X** |  |
| *D6* |  | **X** | **X** | **X** |  | **X** | **X** |