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**Programme Specification**

**Title of Course: MSc in International Enterprise Information Management**

**Date Specification Produced: October 2015**

**Date Specification Last Revised: December 2015**

This Programme Specification is designed for prospective students, current students, academic staff and potential employers. It provides a concise summary of the main features of the programme and the intended learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the teaching, learning and assessment methods, learning outcomes and content of each module can be found in Student Handbooks and Module Descriptors.

**SECTION 1: GENERAL INFORMATION**

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| **Title:** | MSc in International Enterprise Information Management |
| **Awarding Institution:** | Kingston University |
| **Teaching Institution:** | Kingston University, HNU - ULM |
| **Location:** | Kingston University, HNU - ULM |
| **Programme Accredited by:** |  |

**SECTION2: THE PROGRAMME**

1. **Programme Introduction**

This international Enterprise Information Management (IEIM) postgraduate programme is offered as a partnership between the Kingston University (KU) and the Neu Ulm University (HNU) leading to a Dual Degree from both universities. The programme is designed to develop new knowledge and skills that are particularly important to design and implement information systems strategies in international organisations. The students will have the opportunity to enhance their personal and professional development by studying in both countries together with their colleagues from ‘the other’ country and by undertaking an international internship in ‘the other’ country (the German students will complete the internship in the UK while the UK students will complete theirs in Germany), in an international business organisation.

In the current business environment, business organisations face the challenges of forming international supply chains to improve their overall efficiency and acquire a competitive edge. A critical success factor of such operations is the delivery of accurate, real-time data and information through their Information System (IS) and the use data analytics for planning and shaping their overall future strategy.

The students of this programme will have advantages in terms of the employability based on the theoretical background taught in the programme, but crucially, due to the international nature of the programme and the availability of the international internship experience, which will also inspire their international project, as a pinnacle of their study.

The programme is delivered in both countries in English (the first teaching block at the HNU and the second teaching block at KU).

1. **Aims of the Programme**

*The Aims of the Programme are to:*

* Equip students with knowledge, skills and a critical appreciation of the principles of international enterprise information systems, their features and functions and their role in business and organisational strategy.
* Provide the ability to critically evaluate enterprise information systems (IS), their performance and their specifications, make an informed assessment of IS performance and make knowledgeable suggestions for improvements.
* Enable students to demonstrate and engage in academic and professional international communication with other specialists in the field of enterprise information systems through reports and presentations
* Instil professional and entrepreneurial attitudes in students and develop a range of transferable skills that would enable students to advance and exploit their knowledge and technical expertise in pursuing their further career
* Develop competence in working in an international multi-disciplinary team within an industrial environment with real industrial constraints.
1. **Intended Learning Outcomes**

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills and other attributes in the following areas. The programme outcomes are referenced to the QAA subject benchmark for Postgraduate Computing and the Framework for Higher Education Qualifications in England, Wales and Northern Ireland (2008), and relate to the typical student.

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| **Programme Learning Outcomes** |
|  | **Knowledge and Understanding**On completion of the course students will be able to: |  | **Intellectual Skills**On completion of the course students will be able to |  | **Subject Practical Skills**On completion of the course students will be able to |
| A1 | Apply principles and practical techniques of modern technologies and IS to international business organisations and their strategies | B1 | Learn independently, think logically and critically and demonstrate a systematic approach to problem-analysis and to finding solutions | C1 | Select and use effectively a wide range of methods, tools and techniques used in the design and development of Information Systems |
| A2 | Demonstrate knowledge of current methods, techniques and tools for business organisations environment analysis and strategic planning | B2 | Analyse problems and issues, taking due account of any incompleteness of data or information, and arrive at well-reasoned and supportable conclusions  | C2 | Design, manage and implement information systems projects in a professional context including such aspects as appreciating the legal implications of Intellectual Property Rights and data protection |
| A3 | Have a detailed understanding of IS project finance, management, quality, risks and planning techniques used for pricing and cost control in order to produce successful outcomes and successful management of consulting business | B3 | Carry out a focused critical literature review and develop original thought and identify current issues and trends in the IT/IS industry | C3 | Review aspectsof an existing systems and proposed IS related solutions to the satisfaction of the client |
| A4 | Have a critical awareness of enterprise information architecture frameworks, system specifications, business process modelling and redesign | B4 | Analyse an international business organisation environment and develop strategies for sustainable competitive advantage | C4 | Demonstrate an ability to undertake academic and professional international communication through reports and presentations |
| A5 | Have a critical awareness of database design, development, governance and security issues, methods and techniques | B5 | Develop a business intelligence strategy to include both business and technology processes | C5 | Develop professional attitudes, technical and business skills necessary to the furtherance of their careers in ICT management |
| A6 | Demonstrate a critical understanding of the nature, scope and objectives of the varying international organisations and inter-firm relationships and culture particularly relating to efficient outcomes. | B6 | Build upon the experience and responsibility gained as a result of the practical application of the skills acquired during the programme to make a significant contribution as an information systems professional | C6 | Work as an effective team member |
| A7 | Have a detailed understanding of legal obligations and financial, social and ethical implications of professional practice, including security and privacy issues and appropriate professional codes of practice. |  |  | C7 | Prepare a coherent business plan for the management of an IS consulting business |
|  |  |  |  | C8 | Specify key performance indicators for a business intelligence strategy |
|  |  |  |  | C9 | Analyse, specify and design an enterprise IS architecture as appropriate and consider necessary technology requirements to fulfil the needs of the international business environment. |
|  |  |  |  | C10 | Design and develop efficient and secured database systems |

In addition to the programme learning outcomes identified overleaf, the programme of study defined in this programme specification will allow

students to develop a range of Key Skills as follows:

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| **Key Skills** |
| **Self Awareness Skills** | **Communication Skills** | **Interpersonal Skills** | **Research and information Literacy Skills** | **Numeracy Skills** | **Management & Leadership Skills** | **Creativity and Problem Solving Skills** |
| Take responsibility for own learning and plan for and record own personal development | Express ideas clearly and unambiguously in writing and the spoken work | Work well with others in a group or team | Search for and select relevant sources of information | Collect data from primary and secondary sources and use appropriate methods to manipulate and analyse this data | Determine the scope of a task (or project) | Apply scientific and other knowledge to analyse and evaluate information and data and to find solutions to problems |
| Recognise own academic strengths and weaknesses, reflect on performance and progress and respond to feedback | Present, challenge and defend ideas and results effectively orally and in writing | Work flexibly and respond to change | Critically evaluate information and use it appropriately | Present and record data in appropriate formats | Identify resources needed to undertake the task (or project) and to schedule and manage the resources | Work with complex ideas and justify judgements made through effective use of evidence |
| Organise self effectively, agreeing and setting realistic targets, accessing support where appropriate and managing time to achieve targets | Actively listen and respond appropriately to ideas of others | Discuss and debate with others and make concession to reach agreement | Apply the ethical and legal requirements in both the access and use of information | Interpret and evaluate data to inform and justify arguments | Evidence ability to successfully complete and evaluate a task (or project), revising the plan where necessary |  |
| Work effectively with limited supervision in unfamiliar contexts |  | Give, accept and respond to constructive feedback | Accurately cite and reference information sources | Be aware of issues of selection, accuracy and uncertainty in the collection and analysis of data | Motivate and direct others to enable an effective contribution from all participants |  |
|  |  | Show sensitivity and respect for diverse values and beliefs | Use software and IT technology as appropriate |  |  |  |

1. **Entry Requirements**

Applicants for the MSc in International Enterprise Information Management are normally required to have a good honours (2:2 - Second Class or equivalent) degree in IT, Computer Science, Software Engineering, Business, Engineering, Mathematics, Physics, Sciences, Economics or the academic equivalent.

Applicants with an ordinary undergraduate degree in the above fields but with significant work experience may be considered if they satisfy the admissions officer.

This programme is only offered to EU\Home students.

Non-UK applicants will be required to provide certificated proof of English language competence before commencing their studies. For this course the minimum requirement is Academic IELTS of 6.5 overall, with 6.0 in Writing and 5.5 in Reading, Listening and Speaking. Other equivalent qualifications will also be considered. Further information is available on the University web site.

1. **Programme Structure**

This programme is following the Postgraduate Requirements (PR) and leads to a dual M.Sc. degree. The programme is offered in Full Time and Part Time modes. Single taught modules in the programme are valued at 30 credits and the programme contains a project that has 60 credits. The minimum requirements for an M.Sc. award is 180 credits. Intake is normally in September.

Typically the programme will be delivered according to the following plan:

Teaching Block 1: September to January

Students attend two 30-credit modules delivered by HNU (60 credits)

Teaching Block 2: January to April

Students attend two 30-credit modules delivered by KU (60 credits)

Students are on Industrial Internship: May to October (non credit bearing)

Students do the International Project (60 credits): Submission in January.

The programme offers a Post Graduate Diploma and a PG Certificate as an exit award only. The minimum requirement for a Postgraduate Certificate is 60 credits, and for a Postgraduate Diploma 120 credits

**E1. Professional and Statutory Regulatory Bodies**

 *N/A*

**E2. Work-based learning, including sandwich programmes**

The internship as part of this programme, is a six-month non-credit bearing internship that aims to provide students with an international experience of working in an other country. As such, The HNU students will undertake the internship in the UK and the KU students in Germany. The responsibility of KU and HNU (the course partners) is to provide internship opportunities and internship supervisors to all students on the programme that will support them during this six-month period. The internship supervisors will have the responsibility to define the internship project, clarify the objectives, the students’ role within the internship, the nature and scope of the activity and the way that the students’ responsibilities will be fulfilled and supervise the student, providing support, guidance and advise. In collaboration with the partner institution, the internship supervisor will also provide advise on the culture of the other country, accommodation issues, insurance and travel. The students will be introduced to the internship during induction and a seminar that will be organised before the internship period starts. The internship supervisor (and later the project supervisor) will also be responsible to explain the way that this internship experience will feed their project. The students will enrol to the internship module and if the internship is successfully completed it this success will be reflected on their award.

**E3. Outline Programme Structure**

This programme is part of the University Postgraduate Regulations (PR). The programme is made up of four modules designed for level 7, each worth 30 credit points plus an individual project worth 60 credits. All students will be provided with the University postgraduate regulations and specific additions that are sometimes required for accreditation by outside bodies (e.g. professional or statutory bodies that confer professional accreditation). Full details of each module will be provided in module descriptors and student module guides.

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| **Level 7** (all core) |
| **Module Title** | **Module code** | **Credit** **Value** | **Level**  | **Teaching Block** |
| Enterprise Information Systems | CI7280 | 30 | 7 | 1 |
| Business Information Management | CI7290 | 30 | 7 | 1 |
| Modelling Enterprise Architectures | CI7230 | 30 | 7 | 2 |
| Data Management and Governance | CI7300 | 30 | 7 | 2 |
| Internship | CI7050 | 0 | 7 |  |
| International Project  | CI7001 | 60 | 7 |  |
| The non-credit bearing Internship module is envisaged to inform the International Project and is considered one of the main attractions of the programme. Under exceptional circumstances, when the student is unable to undertake the internship, they may be permitted to use an industry based Case Study instead. Students exiting the programme with 60 credits are eligible for the award of PG CertificateStudents exiting the programme with 120 credits are eligible for the award of PG Diploma |

1. **Principles of Teaching, Learning and Assessment**

The principles of teaching, learning and assessment are in line with the University’s 'Led by Learning' strategy. The modules are designed to give students a balanced portfolio of theoretical and practical experience, embracing diversity and individuality.

Industry specialists allied with lecturers and guest speakers contribute to our courses, reinforcing the theoretical aspects and provide an informative insight into industry, promoting innovation and creativity, whilst offering an insight into entrepreneurial culture. The module lecturers, experts in the their field are embedding their latest research and relevant case studies to enrich the content on the taught modules in the spirit of Kingston University “research informed teaching” ethos. Furthermore, the practical workshops, open forums, company visits and group presentations introduced into the modules provide students with a detailed understanding of the approaches taken in industry, aiding development of students' employability through the course.

Taught materials, knowledge gained from the practical and case studies embedded within each module give students specialised knowledge, tools and techniques. These are delivered using specialist software in hands-on sessions and interacting with the Virtual Learning Environment, which includes use of on-line learning materials and YouTube. It will equip them with skills and methods for extracting and synthesising the information. These activities promote rigour, curiosity, excellence, originality and breadth of knowledge.

They must then further explore and exploit the information given, research and define outcomes accurately to produce detailed solutions and innovative work for each module and the project dissertation.

It is recognised that international teamwork is a very important aspect in industry and this is implemented in the modules and during the internship. The programme with its international nature ensures that the students are exposed to international teamwork bringing students from both countries and universities together through group presentations, joint report writing, joint research, promoting consideration, courtesy and collegiality.

The course teams are aware of the need for effective communication, both written and verbal, and take pride in the fact that the courses provide, in this regard, a means of preparing the students for their longer-term career plans and Continuous Professional Development (CPD). Apart from the project itself, each student has to give verbal presentations during the modules, normally to the student’s peer group and the module leader. Students are also helped with verbal communication skills through seminars, tutorials and discussion groups. Most modules are assessed by written assignments that are designed to improve students’ research and evaluation skills.

One of the unique features of the programme is the opportunity that it offers to students to spend a period of six months in internship. This internship is offered to the students after their taught part of the course with the objective to provide them with a hands on experience of the way that information systems are applied into real international business cases. It is envisaged that UK students will undertake their internship in Germany and German students in the UK. The internship, per se, is not credit bearing, but it is expected to significantly contribute to the International Project module work.

The international project provides a challenge to the students to undertake a real world problem, ideally based on their internship experience, offering the opportunity to reflect on the international internship experience and conceptualise it within the relevant concepts in the field. During the project, the student will be expected to apply the knowledge learnt during the course to achieve agreed deliverables, whilst satisfying any given constraints. Key skills in communication, presentation, literature search, problem analysis, project planning, report writing and solution justification are all part of the learning objectives defined in the field. The project work is normally aligned with the research field of the staff involved and may lead to joint publications co-authored by the student and the project supervisor.

1. **Support for Students and their Learning**

Students are supported by a highly qualified team of academic staff that includes individuals in the following roles:

* A Course (programme) Director to help students understand the programme structure provided by both institutions (KU and HNU)
* Personal tutor to help and guide students on matters outside the academic arena
* A Module Leader for each module
* An internship and project supervisor

Additional support is provided by the following specialist staff:

* Technical Support to advise students on IT and the use of software
* A designated Programme Administrator
* English language support for international students

Matters outside the academic arena are supported by:

* Student support facilities that provide advice on issues such as finance, regulations, legal matters, accommodation, international student support etc.
* Disability and dyslexia student support
* A substantial Study Skills Centre that provides academic skills support
* Careers and Employability Service
* The Students’ Union
* An induction week at the beginning of each new academic session
* Staff Student Consultative Committee
* StudySpace – a versatile on-line interactive learning management system available on the university’s intranet

**Support for Academic Skills**

There is a range of support available within the School, which includes but is not limited to:

Faculty-wide Student Support team

SEC Study Skills - SASC

Drop-in Programming Sessions (Java Aid, C++ Aid)

Drop-in Maths Aid sessions

SEC Study Skills (SASC) is a one-to-one drop-in Study Skills session for students every weekday. Help is available on a range of academic skills from writing reports, note-taking, to exam revision, referencing, and mathematical skills.

The Student Support Team help students with any problem which has an effect on their studies. This can range from illness, problems writing an assignment, questions about academic regulations to serious confidential issues.

The students are introduced to all these mechanisms during induction sessions at the beginning of each new academic year. It is here that the students first encounter the university’s computer network, which includes their personal access to StudySpace and how to use it as a learning environment. They are also encouraged to make use of the substantial Study Skills Centre, an important resource that provides additional help across a range of academic skills.

Students are expected to be involved in the development of their programme. On an individual level through meetings with their course director/personal tutor at which they can discuss their academic progress, personal development and can seek advice on course and module choices in the light of their career aspirations. As a cohort, students can contribute to many aspects of programme evolution, for example by student representation on committees including Staff Student Consultative Committees as well as by their formal and informal feedback such as the mid-module and end-of-module reviews.

**The Personal Tutoring Scheme**

A Personal Tutoring Scheme is established across the Faculty to help MSc students realise their potential and to advise on the matters such as career development and employability. A personal tutor, a member of the teaching team on their course, is assigned to MSc students.

1. **Ensuring and Enhancing the Quality of the Course**

The University has several methods for evaluating and improving the quality and standards of its provision. These include:

* External examiners
* Boards of study with student representation
* Annual review and development
* Periodic review undertaken at subject level
* Student evaluation
* Moderation policies

In addition to the University’s quality systems, the programme’s currency and quality is continuously supported and evaluated by both institutions’ Industrial Advisory Boards. The module content and delivery methods are informed by the research and enterprise activities of academic staff from both countries enhancing the international nature of the programme.

1. **Employability Statement**

The course is designed with close consultation with both institutions’ Industrial Advisory Boards, hence taking on board the latest international requirements of the industry for graduates. Employability skills are developed throughout the delivery of the modules, the internship and particularly as part of their project. Furthermore, students are equipped with business, management and entrepreneurial skills and coupled with their international internship experience enhance their employability potential globally. Delivery of many modules involves industrial speakers, who introduce students to latest industrial requirements both from Germany and the UK.

Throughout the course students will have access to a dedicated employment coordinator, attend specially arranged employability seminars, career workshops and research seminars to prepare them for the world of work once they graduate.

The demand for IS specialists and consultants is fast-evolving and this programme, with its balance of theory and applied specialist learning, its international nature and especially its international internship opportunity prepares graduates well for the senior technical and management positions in a range of fields such as:

* IS strategy
* IS development and implementation
* Systems analysis and design projects
* Database design and development projects
* International IS consultancies
* International supply chain strategy design and implementation
1. **Approved Variants from the Undergraduate and Postgraduate Regulations**

**N/A**

1. **Other sources of information that you may wish to consult**

QAA Benchmark statement website: <http://www.qaa.ac.uk/Publications/InformationAndGuidance/Pages/Subject-benchmark-statement-Computing.aspx>

Guidance on Enterprise and Entrepreneurship (Draft)

<http://www.qaa.ac.uk/Publications/InformationAndGuidance/Documents/EE_Draft_Guidance.pdf>

**Development of Programme Learning Outcomes in Modules**

|  |  |
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| **Module code** **and title** | **Level 7** |
| CI7280 Enterprise Information Systems | CI7290 Business Information Management | CI7230 Modelling Enterprise Architectures | CI7300 Data Management and Governance | CI7050 Internship | CI7001 International Project |
| **Knowledge & Understanding** | A1 | ✓ | ✓ |  |  |  |  |
| A2 |  | ✓ |  |  |  |  |
| A3 |  | ✓ |  |  |  |  |
| A4 |  |  | ✓ |  |  |  |
| A5 |  |  |  | ✓ |  |  |
| A6 | ✓ |  |  |  |  |  |
| A7 |  | ✓ |  |  |  |  |
| **Intellectual Skills** | B1 | ✓ | ✓ | ✓ | ✓ |  |  |
| B2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| B3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| B4 |  | ✓ |  |  |  | ✓ |
| B5 |  | ✓ |  |  |  |  |
| B6 |  |  |  |  | ✓ |  |
| B7 |  |  |  |  |  |  |
| **Practical Skills** | C1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| C2 |  | ✓ | ✓ | ✓ | ✓ | ✓ |
| C3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| C4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| C5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| C6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| C7 |  | ✓ |  |  | ✓ | ✓ |
| C8 |  | ✓ |  |  | ✓ | ✓ |
| C9 |  |  | ✓ |  | ✓ | ✓ |
| C10 |  |  |  | ✓ | ✓ | ✓ |

**Indicative Module Summative Assessment Map**

This map identifies the elements of summative assessment for each module. Course teams are reminded that:

* There should be no more than three elements of assessment per module
* There should be no more than one formal examination per module.
* Synoptic assessments that test the learning outcomes of more than one module are permitted
* Students will be provided with formative assessment opportunities throughout the course to practice and develop their proficiency in the range of assessment methods and to facilitate ‘feed-forward’ as stipulated in the [Curriculum Design Principles](http://blogs.kingston.ac.uk/raf/2012/05/22/welcome-2/)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module** | **Coursework**  |  | **Examination** |  |
| **Level** | **Module Name** | **Module code** | **Credit value** | **Core/****Option** | **Type of coursework** | **Word Length** | **Weighting %** | **S/F** | **Written/****Practical** | **Duration** | **Weighting %** | **S/F** |
| 7 | Enterprise Information Systems | CI7280 | 30 | Core | Report 1Report 2 | 40002000 | 6535 | F/S |  |  |  |  |
| 7 | Business Information Management | CI7290 | 30 | Core | In class test |  | 35 | F/S | Exam |  | 65 | F/S |
| 7 | Modelling Enterprise Architectures | CI7230 | 30 | Core  | Report 1Report 2 | 30003000 | 5050 | F/S |  |  |  |  |
| 7 | Data Management and Governance | CI7300 | 30 | Core | Report 1Report 2 | 30003000 | 5050 | F/S |  |  |  |  |
| 7 | Internship | CI7050 | 0 |  |  |  |  |  |  |  |  |  |
| 7 | International Project | CI7001 | 60 | Core | International Project Definition and Research ProposalPoster presentationDissertation | 12000 | 15  0 5 80 | F/SF   F/S | Viva Presentation |  |  | F/S |

**Technical Annex**

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| **Final Award(s):** | *M.Sc. in International Enterprise Information Management* |
| **Intermediate Award(s):** | *PgCert, PGDip as exit awards* |
| **Minimum period of registration:** | *18 months for Full Time and 36 months for Part Time* |
| **Maximum period of registration:** | *36 months for Full Time and 72 months for Part Time* |
| **FHEQ Level for the Final Award:** | *M.Sc. (level 7)* |
| **QAA Subject Benchmark:** | *Computing* |
| **Modes of Delivery:** | *Full time with internship, part time with internship* |
| **Language of Delivery:** | *English* |
| **Faculty:** | *SEC* |
| **School:** | *Computer Science and Mathematics* |
| **JACS code:** | *G600* |