Appendix B – Module Outlines.....59

Postgraduate Certificate, Postgraduate

Important information regarding the Programme Specification and Regulations

About this document

Last revised 11/12/2012

This Programme Specification is presented in support of our commitment to the nationally agreed reference points for assuring the quality and standards of higher education, known as the UK Quality Code for Higher Education. Further information can be found at:
www.qaa.ac.uk/assuringstandardsandquality/Pages/default.aspx

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This document contains all the regulations for a specific programme(s) and the associated regulations for individual modules that can be taken on a stand-alone basis.

The programme regulations are divided into the **Programme Specification** and the **Detailed**

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Students registered for the programmes covered by this programme specification and regulations are registered with the University of London International Academy. The University of London International Academy is based on a partnership between the University of London and certain Colleges of the University. The Colleges of the University of London and the University of London International Academy collaborate to deliver the University of London International Programmes.

7

All University of London International Programmes adhere to the University's agreed policies for academic programmes and awards.

8

Programme Specification

Accreditation by professional or statutory body

Not applicable

Language of study and assessment

See also section 4 of the Detailed Regulations.

English

Mode of study

Further details about student support are in the student handbook which can be accessed through the student portal.

Study is by distance and flexible learning.

Programme structures

MSc, Postgraduate Diploma and Postgraduate Certificate

See full details in section 1 of the Detailed Regulations.

Registration may be extended, subject to approval and payment of applicable fees. Any requests for further extension must be agreed on an individual basis.

Full details are in

Further information about the credit systems used by universities in the UK and Europe is available in:

The Higher Education Credit Framework for England, www.qaa.ac.uk/Publications/InformationAndGuidance/Pages/Higher-education-credit-framework-for-England-guidance-on-academic-credit-arrangements-in-higher-education-in-England-Augu.aspx

The Framework for Higher Education Qualifications in England, www.qaa.ac.uk/Publications/InformationAndGuidance/Documents/FHEQ08.pdf

The European Credit Transfer and Accumulation System, http://ec.europa.eu/education/lifelong-learning-policy/doc48_en.htm

Entrance requirements

See www.londoninternational.ac.uk for details on the application process.

Students with specific access requirements should refer to section 12 of the Detailed Regulations.

An applicant must satisfy the relevant entrance requirements given in this section. In order to be considered for admission as an International Programmes Student, applicants must also submit an application that is in accordance with the procedures and deadlines set out in the appropriate prospectus or the website.

Programme specific entrance requirements

In order to be eligible to register for the **MSc degree** an applicant must have at least:

Either

a) a second class honours degree, or the equivalent, in a scientific subject, veterinary science, animal science, agriculture, biological sciences or medicine, from a university or other institution acceptable to the University of London.

Or

b) a second class honours degree, or the equivalent, in a scientific discipline which has, in the opinion of the University, included suitable preliminary training, from a university or other institution acceptable to the University of London.

In order to be eligible to register for the **Postgraduate Diploma or Postgraduate Certificate**, a student must have a degree or a technical or professional qualification and work experience considered appropriate and relevant by the University.

Applicants who do not meet these requirements may be considered by the University on an individual basis. Some modules will require students to have access to computer hardware and software as described in the prospectus.

English language proficiency

For awards at FHEQ level 7, students must provDcep.Tm[( )] i96 Tf1 57( )-10(P)4()-2388 i35B2 9 8 i that they have within t past three years, passed a teBt of proficiency in English language from an organisation acceptable to the University and at the appropriate level as given in the programme entrance requirements.

Programme resources on the VLE (as applicable)

Programme resources on the University of London International Programmes website

Together with the specific knowledge based and practical skills, all students are expected to acquire a range of cognitive and transferable skills.

Intellectual and Cognitive skills

A student will be able to develop skills in:

- Planning
- Logic and reasoning
- Comprehension
- Visual and auditory processing
- Long-term memory

Transferable skills

A student will be able to develop and demonstrate:

- Independent learning skills, taking responsibility for own studies.
- Time management skills.
- Organizational skills.
- Becoming a reflective self-manager, by taking a systematic, analytical, strategic and reflective approach to study tasks.
- Information gathering and analytical skills to make own judgements about ideas and knowledge.
- Written skills.
- Information technology skills.
- Understanding of own strengths and weaknesses, and ability to work effectively in an isolated study situation.

Teaching, learning and assessment strategies

These programmes are designed so that the student is provided with all the primary material required to complete the module. This includes directed study notes in a Study Guide, a collection of reading material

The mark awarded for each module will be based on both the written examination and the TMA weighted in the scale 80:20 respectively.

All candidates must have completed and been assessed in one TMA prior to the examination. Written examinations will be held in October at examination centres throughout the world. TMAs can be submitted any time during the year leading up to the examination.

The optional Research Project is assessed by the submission of a paper suitable for publication in an identified scientific journal (80%) and an oral examination conducted either face-to-face or via the telephone (20%).

The written examinations take place on one occasion each year, always in October. These will be held at established centres worldwide.

Student support and guidance

There is further information on support and guidance in the student handbook which can be accessed through the student portal.

The following summarises the support and guidance available to students.

a Study Guide for each module studied (containing directed learning notes);

a Reader (containing photocopied journal articles and book chapters);

textbooks for certain modules;

CD-ROMs material for certain modules;

defined within our key documents: The Quality Framework, the Quality Assurance Schedules, Guidelines for Examinations and Detailed Regulations for each programme.

Parity of award standards

help with career planning, CV writing and interview technique), in small groups or online, through the e-Advice service. Students may also make use of the dedicated careers library.

For further information, please see www.careers.lon.ac.uk

The Alumni Association

Membership of the International Programmes Alumni Association is free and open to all former students of the University of London International Programmes. This is a diverse community of over 150,000 alumni in more than 190 countries, including local chapters and social networking groups, and with regular events, communications and opportunities to meet feid ni 86(n m)-nt

Detailed Regulations

1 Structures of the programmes

Appendix A and Appendix B give the full structure and content of the programme.

It may not always be possible to permit a student to change a choice of module, especially when study materials have been despatched. Applications to change modules will be considered on an individual basis. A fee will be payable.

1.10

An application to change modules from a student who has entered the examination for the module concerned will not be considered until after the examination results for that session have been published.

Individual modules

Full regulations governing Individual Modules (previously referred to as short courses) are given separately. See the Contents page.

1.11

A student may apply to register for one or more individual modules on a stand-alone basis, instead of registering for the MSc, Postgraduate Diploma or Postgraduate Certificate in either Livestock Health and Production or Veterinary Epidemiology and Public Health.

Transfer

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Transfer from the Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health to the Postgraduate Diploma in Livestock Health and Production or Veterinary Epidemiology and Public Health

1.18

There is no automatic progression but a student who successfully completes the Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health may be permitted to transfer to the Postgraduate Diploma in Livestock Health and Production or Veterinary Epidemiology and Public Health and receive appropriate credits.

Full details are in section 7.

2 Credit transfer and accreditation of prior learning

See the Glossary for definition of ‘credit’ and ‘accreditation of prior learning’.

2.1 (GR)

The University reserves the right to review the credit transfer and accreditation of prior learning policy in respect of all awards each year. These credit transfer and accreditation of prior learning regulations in this document relate therefore only to applications to the awards given in the programme specification received between 1st September 201

Period of registration

3.3 (GR)

Each programme will specify the minimum and maximum periods of registration permitted at any award within the following limits:

	Minimum	Maximum
Masters degree	1 year	5 years
Postgraduate Diploma	1 year	5 years
Postgraduate Certificate	6 months	5 years

No reduction in the minimum period of registration will be permitted.

Students should note that the minimum time to complete awards on this particular programme are longer than the absolute minimums specified by the University above. The PG Cert for this programme may be completed in a minimum of one year and the PG Dip and MSc degree may be completed in a minimum of two years. See the Programme Specification for programme Livestock Health and Production or Veterinary Epidemiology and Public Health for the minimum and maximum periods of registration that apply to awards of these programmes.

See the Programme Specification for programme Livestock Health and Production or Veterinary Epidemiology and Public Health for the minimum and maximum periods of registration that apply to awards of these programmes.

3.4

A student who transfers from the Postgraduate Certificate or Diploma in either Livestock Health and Production or Veterinary Epidemiology and Public Health to the MSc degree in either Livestock Health and Production or Veterinary Epidemiology and Public Health will have the maximum period of registration of five years for the degree counted from the effective date of registration for the Postgraduate Diploma or Certificate.

3.5

A student who is

4 Assessment for the programme

4.1 (GR)

A student sitting an examination must comply with the rules given in the Notice to Candidates, which accompanies the Admission Notice, in addition to those given in this section.

Assessment methods for the MSc degree, Postgraduate Diploma and Postgraduate Certificate

4.2

See Glossary for the definition of 'examination' and 'written paper examination'. The oral examination will be conducted either face to face or via telephone in November/December. Further details can be found in the student handbook which can be accessed through the student portal.

As indicated in the Programme Specification, each individual module will be examined by **one** three-hour unseen written paper

4.11 (GR)

An examination is governed by the regulations in force at the time of the examination and not at the time that a student was initially registered or first attempted the examination concerned, except where the conditions for changing regulations with notice apply.

See the Important information for information on changing regulations.

4.12 (GR)

Where necessary, Examiners may change the format or rubric of a written paper examination from that of the previous year without giving prior notice to students.

4.13 (GR)

Examinations by written paper are held at established examination centres worldwide. In countries where there is an established examination centre, a student must use the facilities provided by that centre. The University will not establish an alternative centre in those countries.

See the website for the list of examination centres: www.londoninternational.ac.uk/exams

4.14 (GR)

All examinations are held at the discretion of the examination centre and are subject to any conditions they may impose.

4.15 (GR)

Oral and aural examinations are normally held only in London. Permission to take oral/aural examinations at an examination centre other than London is dependent on the ability of the examination centre to make arrangements acceptable to the University for the conduct of the examinations. A student for whom arrangements to take the oral/aural examinations outside of London cannot be made may apply for permission to take these examinations in London and the written paper examinations elsewhere in the United Kingdom and Ireland or overseas.

Assignments

4.16

The assignment will take the form of written work specified in the module materials.

4.17

The research proposal will not form part of the final assessment. However, students who do not submit a research proposal will not be permitted to carry out the research project.

4.18

4.22 (GR)

At any examination session, all students will be examined by the same written paper examination, on the same date, at the same time, except where there are unavoidable delays in the arrangement. The University reserves the right to set different papers in the same subject in separate countries and in different time zones.

4.23 (GR)

Where delays are unavoidable in countries other than the United Kingdom, the examination centre will arrange for the relevant examinations to be taken with as little deviation as possible from the original dates

A student will be charged £50 per examination paper when using the University of London as an examination centre.

4.28 (GR)

A student must write the answers to all examinations in English except where the syllabus or rubric for a written paper examination for a particular subject indicates otherwise.

4.29 (GR)

The University reserves the right to require a student sitting a written paper examination to remain in the examination room or its precincts for the duration of the relevant examination.

4.30 (GR)

All examination scripts are the property of the University and will not be returned to students. All question papers will be retained by the University.

4.31 (GR)

5 Number of attempts permitted at an examination

5.1 (GR)

A student who fails to satisfy the Examiners in an examination, and who has yet to satisfy the conditions to be considered for the respective award, may be permitted or required to make one further attempt at that examination.

5.2 (GR)

The maximum number of attempts permitted at any examination is **two**.

5.3 (GR)

A student who enters an examination hall to attempt a written paper examination will be considered to have made an examination attempt. Subject to programme regulations, absence from an examination will not count as an attempt.

5.4 (GR)

A student who receives a result of ‘Pass’, ‘Fail’ or ‘Retired’ in any examination will be considered to have made an attempt.

5.5 (GR)

A student may not make a further attempt at any examination already passed or for which specific accreditation of prior learning or credit has been awarded.

5.6 (GR)

The result awarded for a subsequent attempt at an examination will supersede the mark previously awarded for that examination unless other provision is given in the detailed programme regulations. However all marksns.

computer files, other materials or aids, nor engage in any similar activity. Any of these activities constitutes an examination offence.

6.3 (GR)

It is an examination offence to remove from the examination hall stationary or other materials that have been supplied by the University or examination centre for examination purposes.

6.4 (GR)

Plagiarism is the copying and use of someone else's work, whether intentionally or unintentionally, as if it were the student's own. Another person's work includes any source that is published *or* unpublished including words, images, diagrams, formulae, audio recordings, computer code, ideas and judgements, discoveries and results. Plagiarism is an examination offence.

6.5 (GR)

All work submitted as part of the requirements for any examination must therefore be expressed in the student's own words and incorporate their own ideas and judgements.

6.6 (GR)

See section 4 for method of assessment.

7.2

In any one year a student may attempt examinations in a minimum of **one** module and a maximum of **four** modules, excluding re-sits.

7.3

A student with an effective date of registration of **1 January 2010 or before** is strongly advised to study one or more of the compulsory core modules before taking any optional modules for the Postgraduate Diploma and MSc degree.

7.4

A student with an effective date of registration of **1 January 2011 or after** must successfully pass the assessment in the core modules for the Postgraduate Diploma and MSc degree prior to commencing the assessment in the optional modules for the Postgraduate Certificate, Postgraduate Diploma and MSc degree.

Progression from the Postgraduate Certificate to the Postgraduate Diploma or MSc degree

7.5 (GR)

There is no automatic progression between the Postgraduate Certificate and the Postgraduate Diploma. Satisfactory completion of the Postgraduate Certificate does not in itself guarantee entry to the Postgraduate Diploma. In order to proceed to the Postgraduate Diploma, a student registered must normally successfully complete all the prescribed Postgraduate Certificate subjects at the required level and receive a recommendation from the Examiners that they may proceed.

7.6 (GR)

A student who is allowed to progress from the Postgraduate Certificate to the Postgraduate Diploma may be credited with the modules successfully passed.

7.7 (GR)

Previous attempts at the examinations for the Postgraduate Certificate will count towards the number of attempts permitted at modules of the Postgraduate Diploma.

7.8

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Progression from the Postgraduate Diploma to the MSc degree

7.11 (GR)

Where provision for a Postgraduate Certificate or Postgraduate Diploma is given in the programme specification, a student should note that, normally, there is no automatic progression between the Postgraduate Certificate, Postgraduate Diploma and the MSc degree. Satisfactory completion of the Postgraduate Certificate or Postgraduate Diploma may not in itself guarantee entry to the degree. In order to proceed to the degree, a student registered must normally successfully complete all the prescribed Postgraduate Certificate or Postgraduate Diploma subjects at the required level and normally receive a recommendation from the Examiners that they may proceed.

7.12 (GR)

A student who is allowed to progress from the Postgraduate Certificate or Postgraduate Diploma may be credited with the modules.

7.13

(GR)

Previous attempts at the examinations for the Postgraduate Certificate or Postgraduate Diploma will count towards the number of attempts permitted for modules of the degree.

7.14

In order to be able to progress from the Postgraduate Diploma in Livestock Health and Production to the MSc degree in Livestock Health and Production or from the Postgraduate Diploma in Veterinary Epidemiology and Public Health to the MSc degree in Veterinary Epidemiology and Public Health, students must normally obtain a pass at the required level in each of the four Postgraduate Diploma modules and receive a recommendation from the Examiners that they may proceed to the remaining modules of the respective MSc degree.

See section 8 for the Scheme of Award.

7.15

Examiners may also recommend, if they think it appropriate, that a student who progresses from a Postgraduate Diploma to an MSc degree, may hold the pass at the Postgraduate Diploma to his or her credit in the event that he or she does not subsequently satisfy the Examiners in the remaining modules of the MSc degree. If the student should be successful at the remaining modules, the pass at the Postgraduate Diploma examination will no longer be valid and the MSc degree will be awarded. If the student should fail, or not complete, the remaining modules, he or she will be awarded the relevant Postgraduate Diploma with effect from the year in which the Postgraduate Diploma examination was passed.

7.16

A student who accepts the award of the Postgraduate Diploma will not be permitted to re-register for an MSc degree at a later date. Students who have completed the Postgraduate Diploma and received an invitation to transfer, but do not make a decision on award or transfer within their registration period will automatically be awarded the Postgraduate Diploma at the end of that period. The award will be with effect from the year in which the Postgraduate Diploma modules were passed.

7.17

At the discretion of the Examiners, a student registered for a Postgraduate Diploma in either Livestock Health and Production or Veterinary Epidemiology and Public Health, who does not complete or pass in the four modules comprising a Postgraduate Diploma may be awarded a Postgraduate Certificate, provided that he or she achieved a pass in the two modules comprising the Certificate.

7.18

A student who is allowed to progress from the Postgraduate Diploma to the Degree will be credited with four modules.

Progression from an individual module

See Glossary for definitions of related and unrelated awards and the programme specification and detailed regulations for individual modules.

7.19 (GR)

8.2

The mark for each unseen written paper is the agreed mark following independent marking by two members of academic staff and scrutiny by the External Examiners. The unseen written paper will contribute up to 80% of the final assessment.

8.3

The highest mark of the submitted TMAs counts towards the final assessment. The TMA will contribute up to 20% of the final assessment.

8.4

In order to be considered for the award of the MSc degree, students must attempt and pass **seven** modules. Students are awarded a pass if the average mark is 50% or above. A student who has reached this stage (including re-sit attempts) will not be permitted to make any further attempts at any failed modules.

8.5

In order to be considered for the award of the Postgraduate Diploma, students must attempt and pass **four** modules. Students are awarded a pass if the average mark is 50% or above. A student who has reached this stage (including re-sit attempts) will not be permitted to make any further attempts at any failed modules.

8.6

In order to be considered for the award of the Postgraduate Certificate, students must attempt and pass **two** modules. Students will be awarded a pass if the average mark is 50% or above. A student who has reached this stage (including re-sit attempts) will not be permitted to make any further attempts at any failed modules.

8.7

The MSc degrees, Postgraduate Diplomas and Postgraduate Certificates are awarded without classification. A student may be considered for the award of MSc degree, Postgraduate Diploma and Postgraduate Certificate with distinction or merit if:

Distinction: The student receives an overall combined average mark for all modules of 75% or above, with no single module having received a mark of less than 60%.

Merit: The student receives an overall combined average mark for all modules in the range 65–74%, with no single modul

Intermediate awards

9.3

An intermediate award or awards (i.e. a related certificate or diploma) may be granted to a student registered for the MSc in Livestock Health and Production or Veterinary Epidemiology and Public Health in the following circumstances:

At the discretion of the Board of Examiners, a student who does not complete the programme of study **or** who does not satisfy the Examiners (at the level required for the award) in all subjects may be considered for the award of the Postgraduate Diploma or Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health. Such students will be required to have satisfied the Examiners (at the level required for the award concerned) in the subjects that comprise the Postgraduate Diploma and Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health.

At the discretion of the University, a student may be considered for the award of the Postgraduate Diploma or Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health provided that they have satisfied in full the requirements for the Postgraduate Diploma or Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health.

The award of the Postgraduate Diploma or Postgraduate Certificate in Livestock Health and Production or Veterinary Epidemiology and Public Health will be with effect from the year in which the student satisfied the requirements for that award.

10 Fees and refunds

Details of the fees payable will be given to students as they fall due. See also www.londoninternational.ac.uk/fees

A fee is also normally payable to all examination centres other than London. The University is not responsible for this fee and cannot influence the level of fee charged.

Fees

10.1 (GR)

Where applicable, a student is required to pay the following fees for the programme in full and in accordance with the University's deadlines:

registration fee – payable in order to be registered with the University as an International Programmes Student

a module fee – payable for each module to be studied. This fee includes entry to the first examination for that module

examination re-entry fee – a student who enters an examination on a second occasion, having failed on the first occasion, is liable to pay an examination re-entry fee

a transfer fee from 50-hour individual module to 240-hour individual module is payable by a student who is permitted to transfer. Such transfers will only be considered for students with an effective date of registration of 1 September 2010 or before

an extension of registration fee is payable by a student who is permitted to extend their period of registration for a stand-alone Individual module

a student who is permitted to transfer to the MSc in Livestock Health and Production or Veterinary Epidemiology and Public Health from the related Postgraduate Diploma will not normally be required to pay a new registration fee for the degree, but will be required to pay the appropriate remaining modular fees

a student who is permitted to proceed from a stand-alone Individual module to the Postgraduate Certificate, Postgraduate Diploma or MSc in Livestock Health and Production or Veterinary Epidemiology and Public Health will be required to pay the relevant registration fee and the fee for the remaining modules.

Students intending to study the optional module Advanced statistical methods in veterinary epidemiology VPM013 will require access to ArcGIS software (version 9 or higher), including the extensions Spatial Analyst and 3D Analyst are required. The cost of the geographic information systems (GIS) software is NOT included in your module fee and you will need to purchase if you do not have access to it. If you would like to purchase the software, please contact ESRI via the following website: http://www.esri.com/company/locations.html and select your country of residence from the drop-down menu. You may be eligible for a student discount, therefore please supply full details of the course you are intending to study. To verify your registration with the International Programmes, the following email address may be used: pg.registration@london.ac.uk

The GIS software used on this module is subject to a US export embargo, which covers a small number of nations. The list of countries affected by the embargo can be found on the following website: http://www.treas.gov/offices/enforcement/ofac/programs/index.shtml You are strongly advised to visit this website before registering for this course.

10.2 (GR)

The University reserves the right to change its published fees. The University also reserves the right to make additional charges. Fees are subject to annual revision.

10.3 (GR)

Fees m

10.10 (GR)

In the event that a decision is taken by the University to withdraw a programme, any applicant who has not yet accepted an offer will be given a full refund of all fees within 30 days of their request for a refund. All registered students will be permitted to complete the programme according to the regulations on the notice period that applies for withdrawal of all University of London International Programmes.

See paragraph 5 in Important information regarding the Programme Specification and Regulations.

10.11 (GR)

A student who registers for a programme for the first time may, at the discretion of the University, request a

Transfer from the Postgraduate Certificate or Postgraduate Diploma the degree

11.7 (GR)

Where provision is given in the programme specification for a Postgraduate Certificate or Postgraduate Diploma, a student may progress from the Postgraduate Certificate or Postgraduate Diploma to the degree by transferring their registration.

Details are in section 7.

13 Complaints, suspension and termination of registration

Complaints

More details on www.londoninternational.ac.uk/complaints

13.1 (GR)

If a student has a complaint against the University they should follow the Procedure for University of London International Programmes Student Complaints.

Suspension and termination of registration by the University

13.2 (GR)

If a student fails to pay the appropriate fees or breaches any relevant disciplinary or conduct code, the University reserves the right to apply the *Code of Student Discipline* and *Suspension and Termination of Registration of Students in Debt* process as described in the University [illegible]

Summary of provision for individual modules

For prospectus details about the programme, please see www.londoninternational.ac.uk/rvc

Brief summary of provision for individual modules

See Glossary for an explanation of terms.

The University offers individual modules of the MSc degree, Postgraduate Diploma and Postgraduate Certificate in Livestock Health and Production and Veterinary Epidemiology and Public Health as credit and non-credit bearing individual modules on a stand-alone basis. Shorter individual modules which are non-credit bearing are also offered. Individual modules accommodate either 35, 50 or 240 notional study hours. A student may take any number of individual modules but only **two** relevant 240 hour individual modules may be counted as credit towards a Postgraduate Diploma or MSc degree, or **one** relevant 240 hour individual module may be counted towards a Postgraduate Certificate.

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n paper.

See Detailed regulations for the provision of individual modules.

Students who have satisfactorily completed the assessment for an individual module for which they are registered will be sent two documents: a certificate of achievement and a diploma supplement. The diploma supplement will describe the nature, level and content of the programme that has been successfully completed, including a transcript of modules taken and marks achieved as well as the overall classification. It also provides further information about the role of the Lead College and method of study.

Level of individual modules

The FHEQ forms part of the UK Quality Code for Higher Education of the Quality Assurance Agency for Higher Education (QAA) in England and Wales.

All individual modules available to be taken as a stand-alone modules are placed at the following Levels of the Framework for Higher Education Qualifications (FHEQ):

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Students with Specific Access Requirements

Students with specific access requirements should refer to Section 10 of the Detailed Regulations.

Detailed Regulations for the provision of individual modules

Detailed regulations contain the rules which govern the relationship between students and the University of London for each degree programme. The Regulations are subject to change annually so students should ensure that they refer to the most recent version.

Principles of food safety control and ‘farm to fork’ concept

Control of food safety: red meat, poultry, eggs, milk and milk products

Development of a disease control programme: salmonella in pigs and bovine TB

Introduction to statistics, hypothesis testing, study design and analysis of data

Principles, methodology and sampling in epidemiological investigations

Design and analysis of epidemiological investigations – observational and intervention studies

Tools for economic analysis in epidemiology

240 hour credit bearing individual modules

Animal disease (current concepts)

Principles of livestock production

Developing and monitoring of livestock production systems

Epidemiology

2 Registration

2.1

If there is a limit to the number of students who can be registered each year, the registration of an applicant will only be confirmed if there is a place available for that study year. An applicant whose registration is not confirmed will be made a conditional offer of registration for the following year.

Period of registration

2.2

The maximum and minimum periods of registration will be:

	Minimum	**Maximum**
Credit bearing 240 hour individual modules	One year	Two years
Non-credit bearing 50 hour individual modules	None	Two years
Non-credit bearing 35 hour individual modules	None	Two years

2.3 (GR)

A student who is permitted to proceed from a

College of the University of London must have paid the University or College all due fees and accounts. An applicant who fails to satisfy this condition will **not** be permitted to register, or to register again, for an individual module.

2.8 (GR)

An applicant who has previously received a University of London award, or whose registration with the University was terminated because they had exhausted the permitted number of attempts at an examination, may apply to register again as an International Programmes Student for a programme of study in a different subject or field of study.

2.9 (GR)

A student who is permitted to register again will be required to pay a new registration fee. The student will receive a new maximum period of registration.

2.10 (GR)

Registration of an applicant who has previously received a University of London award, or whose registration with the University was terminated due to exhausting the permitted number of attempts at an examination, for a programme of study in the same subject or field of study, is at the discretion of the University and may not be permitted for all programmes. All applications will be considered on an individual basis.

2.11 (GR)

It is at the University's discretion to determine whether a student who registers again for an award under paragraph 2.10 can receive credit for any modules previously passed.

2.12 (GR)

3.34 (GR)

A student who wishes to apply for an administrative re-check of marks must pay an administrative fee which is refundable in the event that an error is found.

3.35 (GR)

The University will not consider appeals against examination results that are made on academic grounds.

For information on the procedure for representations concerning the decisions of the Boards of Examiners, refer to the University of London Regulations, www.london.ac.uk

Non-credit bearing individual modules

3.36 (GR)

Non-credit bearing individual modules are not formally assessed. Students may choose whether or not to be assessed in the non-

5 Assessment offences and penalties

5.1 (GR)

It is an examination offence for a student to take into, or use in, the examination room any unauthorised materials, aids, instruments or equipment which may be used to their advantage. A student must not take into the examination room, or consult during the examination, any books, notes, instruments or other materials or aids that are not permitted. This includes the use of unauthorised programmable calculators or the use of permitted materials that have been personally annotated such as statutes. All such materials or aids must be deposited with the Invigilator before the examination starts. A student who takes any unauthorised materials, aids, instruments or equipment into the examination room must surrender them to the Invigilator on request. Failure to comply with a reasonable request from an Invigilator constitutes an examination offence.

For further rules on materials and aids permitted in the examination, see section 4.

5.2 (GR)

A student must not pass any information between themselves and another student during an examination of a written paper. This includes written, verbal and gestural communication. A student may not act in collusion with another student or any other person, nor copy from another student, their books, notes, instruments, computer files, other materials or aids, nor engage in any similar activity. Any of these activities constitutes an examination offence.

5.3 (GR)

It is an examination offence to remove from the examination hall stationary or other materials that have been supplied by the University or examination centre for examination purposes.

5.4 (GR)

Plagiarism is the copying and use of someone else's work, whether intentionally or unintentionally, as if it were the student's own. Another person's work includes any source that is published *or* unpublished including words, images, diagrams, formulae, audio recordings, computer code, ideas and judgements, discoveries and results. Plagiarism is an examination offence.

5.5 (GR)

All work submitted as part of the requirements for any examination must therefore be expressed in the student's own words and incorporate their own ideas and judgements.

5.6 (GR)

Software may be used, at the discretion of the University, to assist with the detection of plagiarism in individual elements or the whole part of a student's assessment (for example assignments, projects, reports or dissertations).

5.7 (GR)

Direct quotations from the published or unpublished work of another person must always be clearly identified as such and a full reference to the source must be provided in the proper form. A series of short quotations from several different sources, if not clearly identified as such, constitutes plagiarism in the same way as an unacknowledged quotation from a single source. Equally, if another person's ideas or judgements are summarised, students must refer to that person in the text and give details of the work to which reference is made.

5.8 (GR)

It is an examination offence to submit work which has been written jointly by two or more persons, unleir oro0 0 1 Ra5(tte)4

5.10 (GR)

It is the responsibility of the student to safeguard their assignments, essays, projects, reports, dissertations and other similar work and to prevent them from being copied by other students.

5.11 (GR)

The examination offences listed above will be treated as cheating or irregularities of a similar character under the provisions of the Procedures for the Consideration of Allegations of Examination Offence of the University's Regulations (Regulation 1 6 and, as appropriate, 7). Under these Regulations, students found to have committed an offence may have the results of their examinations withheld and may be excluded from all future examinations of the University.

For the University's Regulations, see www.london.ac.uk/976.html

6 Progression from individual modules

Credit bearing modules

The only credit-bearing modules on this programme are the 240 hour individual modules.

6.1

There is no direct progression to the MSc degree, Postgraduate Diploma or Postgraduate Certificate. A student who successfully completes the assessment for one or more of the 240 hour individual modules may be considered for progression to the following related awards:

Postgraduate Certificate in Livestock Health and Production

Postgraduate Diploma in Livestock Health and Production

MSc degree in Livestock Health and Production

Postgraduate Certificate in Veterinary Epidemiology and Public Health

Postgraduate Diploma in Veterinary Epidemiology and Public Health

MSc degree in Veterinary Epidemiology and Public Health.

6.2

A student who is permitted to progress to the MSc degree or Postgraduate Diploma may be credited with up to two relevant 240 hour individual modules successfully completed, or if progressing to the Postgraduate Certificate, one relevant 240 hour individual module successfully completed.

6.3

There is no progression from the 35 hour individual modules to the 50 hour or 240 hour individual modules and there is no progression from the 50 hour individual modules to the 240 hour individual modules.

6.4 (GR)

See Glossary for definitions of related and unrelated awards.

Successful completion by formal assessment of a credit bearing module or modules may be taken into account for progression to a related or unrelated award. Credit for that individual module(s) may also be considered provided that an application is made within three years of the completion of the relevant module or modules. Neither progression nor credit is automatic.

6.5 (GR)

All applications for progression from a module taken on a stand-alone basis to a certificate, diploma or degree will be considered on an individual basis and permission to progress, and, where appropriate, to receive credit, will be at the discretion of the University.

6.6 (GR)

A student who does not successfully complete the formal assessment for an individual module will be permitted to proceed to a certificate, diploma or degree provided

submit a fresh application for registration and comply with the Programme Regulations for the certificate, diploma or degree.

6.7 (GR)

The mark achieved for a credit bearing module may contribute to a related award.

See the scheme of award for these programmes.

6.8

9.9 (GR)

In the event that a decision is taken by the University to withdraw a programme, any applicant who has not yet accepted an offer will be given a full refund of all fees within 30 days of their request for a refund. All registered students will be permitted to complete the programme according to the regulations on the notice period that apply

An ad hoc examination centre is an examination centre which is not listed as a formally approved centre. An ad hoc examination centre can be arranged in certain circumstances, subject to the University's approval of a student's request.

11 Complaints, suspension and termination of registration

Complaints

More details are in the student handbook which can be accessed through the student portal.

11.1 (GR)

If a student has a complaint against the University they should follow the Procedure for University of London International Programmes Student Complaints.

Suspension and termination of registration by the University

11.2 (GR)

Appendix A –

MSc in Livestock Health and Production

Three compulsory core modules:

Animal disease (current concepts) [LHM001]
Developing and monitoring of livestock production systems [VPM018]
Principles of livestock production [LHM002]

+

Four optional modules chosen from:

Animal welfare [LHM016]
Economics for livestock development and policy [LVM019]
Epidemiology and animal health economics [LVM004]
Management of infectious disease outbreaks in animal populations [LVM017]
Reproduction and fertility – a species approach [LHM009]
Research design, management and grant application writing [LVM014]
Research Project in Livestock Health and Production [LVM200]
Sustainable livestock farming in the environment [LHM020]
Veterinary public health [LVM014]

Notes:

- Students with a registration date of 1 January 2011 onwards must successfully pass the assessment in the core modules prior to commencing the assessment in the optional modules.

- the examination numbers have been appended to the module titles in Appendix B and these numbers should be used when completing examination entry forms.

Postgraduate Certificate in Veterinary Epidemiology and Public Health

Two compulsory core modules:

Epidemiology and animal health economics [LVM004]
Veterinary public health [LVM006]

Notes:
- Students with a registration date of 1 January 2011 onwards must successfully pass the assessment in the core modules prior to commencing the assessment in the optional modules.
- the examination numbers have been appended to the module titles in Appendix B and these numbers should be used when completing examination entry forms.

Postgraduate Diploma in Veterinary Epidemiology and Public Health

Two compulsory core modules:

Epidemiology and animal health economics [LVM004]
Veterinary public health [LVM006]

+

Two optional modules chosen from:

Advanced statistical methods in veterinary epidemiology
Developing and monitoring of livestock production systems [VPM018]
Economics for livestock development and policy [LVM019]
Management of infectious disease outbreaks in animal populations [LVM017]
Research design, management and grant application writing [LVM014]
Statistical methods in veterinary epidemiology [VPBDC BT/F2 9.ylicnapraTr( )] TJET EMC /P <</MCID 51>>BDC BT1 0 0 1 53.

MSc in Veterinary Epidemiology and Public Health

Three compulsory core modules:

Epidemiology and animal health economics [LVM004]
Statistical methods in veterinary epidemiology [VPM012]
Veterinary public health [LVM006]

+

Four optional modules chosen from:

Advanced statistical methods in veterinary epidemiology † [VPM013]
Developing and monitoring of livestock production systems [VPM018]
Economics for livestock development and policy [LVM019]
Management of infectious disease outbreaks in animal populations [LVM017]
Research design, management and grant application writing [LVM014]
Research project in Veterinary Epidemiology and Public Health [LVM200]
Surveillance and investigation of animal health [VPM015]

Notes:

- Students with a registration date of 1 January 2011 onwards must successfully pass the assessment in the core modules prior to commencing the assessment in the optional modules.

- † Students intending to study this optional module will require access to ArcGIS software (version 9 or higher). The cost of the GIS software is NOT included in your module fee and you will need to purchase if you do not have access to it.

- the examination numbers have been appended to the module titles in Appendix B and these numbers should be used when completing examination entry forms.

Developing and monitoring of livestock

Feeding dual purpose, beef and draught cattle
Feeding sheep and goats
Pig nutrition
Poultry nutrition
Nutrition of horses, camelids & rabbits

In all the above cases, consideration will be given to the different resources available in temperate and tropical/subtropical regions.

Environmental studies, including climatic effects and housing
Genetics
The physiology of growth and lactation; the relevance of reproduction on livestock production

Assessment: one three-

Selecting an appropriate scientific journal to publish the findings
Preparing a paper for publication according to author guidelines of the selected journal.

Assessment: A paper suitable for publication in an identified scientific journal (80%) and an oral examination (20%).

Statistical methods in veterinary epidemiology [VPM012] 72 768.5 550.15 0 04292 T7[ttMy-21(5])] TJ(.)]6BT1 0 0 1 324.55 5

The objectives of this course are to introduce statistical methods used in veterinary epidemiology to enable students to conduct multivariable analysis and statistical modelling of epidemiological data.

Subject areas:

Introduction to measures of effect
Analysis of cohort studies and case-control studies
Likelihood, Multivariable analysis and statistical modelling
Simple logistic model, Logistic regression, Poisson regression and Cox regression

Assessment: one three-hour unseen written paper containing essay and/or short answer questions (80%) and a written assignment (20%).

Surveillance and investigation of animal health [VPM015]

This course will provide in-depth knowledge of qualitative and quantitative risk analysis, animal health surveillance programmes and introduce students to disease modelling.

Subject areas:

Qualitative and quantitative risk analysis
Design and evaluation of animal health surveillance and control programmes involving multiple herds
Disease control methods involving multiple herC /P /MCID 16>BDC BT28}>TJETBT/F1 9 Tf1 0 0 1 75.984 625.66 T

35 hour individual modules (non-credit bearing)

Principles of veterinary epidemiological investigations and some descriptive epidemiological methods [LVM316]

This course will provide an introduction to veterinary epidemiology together with an overview of the history and current state of this field. It will introduce the concept of disease occurrence as a complex interaction between host, agent and environmental factors and present descriptive epidemiology as a means of summarising disease within a population. Finally the techniques of descriptive data analysis and data summary will be demonstrated using examples of analytical techniques from animal health studies.
Assessment: short answer paper

Risk analysis using @RISK software [LVM332]

It takes many years of practice to become a fully trained quantitative risk assessor; this course is not designed to bring you to that level of competence. The aim instead is to familiarise you with the methodology and provide a good grounding in the main skills, on which you can build in practice. The course will demonstrate how you can use the probability theory to build a simple quantitative model. To do this you will be working with a software package called @RISK.
Assessment: written assignment

Sampling in epidemiological investigations [LVM322]

This course will examine the technique of making inferences about large populations on the basis of examination of a sample. You will learn about the techniques required for the effective sampling of populations and examine the statistical assumptions that underpin sampling theory. Possible sources of error in the process will also be discussed. The course emphasises the practical use of sampling theory to answer epidemiological questions, giving examples of how sampling techniques may be used effectively in epidemiological investigations.
Assessment: short answer paper

Statistical aspects of study design and analysis of data [LVM315]

Statistical skills involve knowing how to design your study, collect and analyse the data and draw conclusions from the results. In this course you will learn about the underlying concepts of study design, including the basic principles of optimal sample size estimation. The course will then move on to introduce simple linear correlation and regression, which are concerned with investigating the joint relationship between two variables. You will complete the course by learning about some simple nonparametric methods of analysis.
Assessment: short answer paper

Tools for economic analysis [LVM320]

This course concentrates on the methodologies used for decision making in the field of animal health and production. The emphasis will be to explain the basic principles involved and will enable you to familiarise yourself with the techniques of partial and benefit-cost analysis through a series of exercises. The course will also provide you with knowledge to critically assess work done by others. Finally the course will present some of the economic tools that can be used to analyse the risk and uncertainty associated with livestock production.
Assessment: short answer paper

Use of economic tools in epidemiology [LVM321]

This course will present some examples of how economic tools can be applied to analyse diseases and also exercises to provide practice and build confidence in the use of these tools. You are not expected to carry out the complete analysis, but are expected to interpret results or output from economic tools. By the end of this course you will be able to assess livestock disease control decisions at farm and project level. (Note: in order to study this course you should first complete the course on *Tools for economic analysis*.)
Assessment: short answer paper

Welfare issues in extensive farming systems [LVM304]

The welfare of extensively farmed animals is influenced by a number of characteristic factors, such as climate, food availability, handling, parasites, predators, etc. Uniquely, these factors interact in a complex way to ensure there are no simple answers to questions of animal welfare. The six sections in this course will help you to understand the complex interplay between the different factors and will provide insights into interpreting the dilemmas they bring.
Assessment: short answer paper

Welfare issues in systems involving confinement [LVM303]

Intensive farmhn80(brin)-7(g.)5(e)-8(di)7(teel)7(.ou)4(rh)-4(l)5(a)7(te t)4(h)-9(ei)4(th)-7ion.s ofpl(k)-17sd be1(i)el.ax9(hts)-

course will explore these issues in detail and you will gain a better understanding of the economic and political ramifications that may be involved in improving husbandry systems.
Assessment: short answer paper

50 hour individual modules (non-credit bearing)

Herd health management [LVM502]

The management of information that relates to production, animal health, reproduction and financial records is the foundation of food animal production-oriented health programs. Good information allows managers to make appropriate decisions for the day-to-

	If any, extremely limited evidence of understanding. No, or almost no, evidence of wider reading of an appropriate nature. **Structure, clarity and presentation** Very poor.	If any, extremely limited evidence of understanding. **Structure, clarity and presentation** Very poor.		

Poor answer

	Some evidence of understanding but not of original thought or critical analysis. Evidence of limited wider reading of an appropriate nature. **Structure, clarity and presentation** Some disorganisation in structure, lack of organisation, and deficiencies in clarity of expression.	Likely to be inaccuracies in data analysis and/or interpretation and unexplained observations or assertions. Little or no evidence of original/innovative thought. Very limited reference to published work from authoritative sources. **Structure, clarity and presentation** Adequate, although may not be entirely systematic.		
Marginally deficient answer	*As for 45 but with fewer, and/or less significant, omissions/inaccuracies /errors, flaws in understanding, presentation and/or communication of information. There may be more evidence of wider reading of an appropriate nature.*	*As for 45 but with fewer, and/or less significant, omissions/inaccuracies /errors, flaws in understanding, interpretation, presentation and/or communication of information.*	48	Fail
Adequate answer	*As for 55 but with more numerous, and/or more significant omissions/inaccuracies/errors, flaws in understanding, presentation and/or communication of information. There may be less evidence of wider reading of an appropriate nature.*	*As for 55 but with more numerous, and/or more significant omissions/inaccuracies/errors, flaws in understanding, interpretation, presentation and/or communication of information.*	52	Pass
Sound answer	**Selection and coverage of material** Basic coverage of main aspects of topic but with some significant omissions/in accuracies/errors. **Understanding** Statement supported by facts but limited evidence of critical ability or powers of argument. Evidence of sufficient wider reading of an appropriate nature. **Structure, clarity and presentation**	**Selection and coverage of material** *Systematic account of task with adequate record of aims and methods of piratical work and no significant errors, omissions or inaccuracies. Appropriate (or)]oBsuppor*		

	In general, organised and logical presentation with adequate clarity of expression.	largely accurate but there may be some unexplained observations or assertions. **Structure, clarity and presentation** Reasonably well organised and logically presented with adequate clarity of expression.		
Very sound answer	*As for 55 but with fewer, and/or less significant omission/inaccuracies/errors and more evidence of critical ability and/or powers of argument and clarity of expression. There may be more evidence of wider reading of an appropriate nature.*	*As for 55 but with fewer, and/or less significant omission/inaccuracies/errors and more evidence of critical ability and/or powers of argument and clarity of expression.*	58	Pass
Quite good answer	*As for 65 but with more, and/or more significant, omissions/inaccuracies/errors and less evidence of critical ability. There may be less evidence of wider reading of an appropriate nature.*			

		Structure, clarity and presentation Logical and well-organised account with clarity of expression.		
Very good answer	*As for 65 but with fewer, and/or less significant, omissions/inaccuracies/errors. More evidence of critical judgement likely. There may be more evidence of wider reading of an appropriate nature.*			

omissions or factual errors.	*no omissions or factual errors. Would be of publishable standardould be*

Appendix D – Assessment Criteria – Short answer questions and problem solving

The assessment criteria for the 240 hour and 50 hour individual modules is given in Appendix C.

The 35 hour individual modules will be marked out of 10 according to the following scheme:

Mark out of 10 (Tutor marked assignment)	Descriptor	Factual information and integration of knowledge	Understanding of concepts and critical ability	Presentation
10	Perfect	Factually flawless; excellent integration of knowledge	Full understanding; excellent critical ability	Excellent style and expression
9	Almost perfect	Factually, almost flawless; good integration of knowledge	Full understanding; good critical ability	Excellent style and presentation
8	Excellent: Distinction standard	Relevant factually information well covered and weighted appropriately; good integration of knowledge	Good understanding; good critical ability	Style and expression very good
7	Very Good: Merit Standard	Relevant factually information well covered; some integration of knowledge	Good understanding, good critical ability	Style and expression good
6	Convincing pass	Sufficient relevant factual information but lacking in depth; little or no integration of knowledge	Some understanding; moderate critical ability	Style and expression generally good
5	Minimum Adequate	Barely sufficient relevant factual information; no integration of knowledge	Some understanding; some critical ability	Style and expression adequate
4	Definite, but not bad failure	Some relevant factual information but lacking in breadth and/or depth; no integration of knowledge	Some limited understanding; no critical ability	Style and expression poor
3	Bad failure	Considerable defects in relevant factual information; no integration of knowledge	Considerable defects in understanding but not totally lacking; no critical ability	Style and expression very poor
2	Very bad failure	Only a few correct pieces of relevant factual information	Very little (or no) understanding; no critical ability	Style and expression terrible
1	Almost no competent response	At most, one or two pieces of relevant factual information	None	Not relevant
0	Not submitted/no answer	No relevant factual information	None	Not relevant

Appendix E – 240 hour individual modules with the corresponding 50 hour individual modules

240 hour individual module codes	240 hour individual module titles	50 hour individual module codes	50 hour individual module titles

Effective date of registration

All students are given an effective date of registration. The effective date of registration may differ from the date on which the student actually registered. Some programmes have one or more effective dates of registration. The effective date of registration indicates the point from which the length of a student's registration is calculated. It determines the year in which a student may first enter an examination and when their registration expires.

Examination

The term ‘examination’ refers to all the methods used to examine the student in a particular course/module. Methods include a written paper examination, coursework, project, dissertation, or online participation requirements. (See also ‘assessment’.)

Examination attempt

A student who enters an examination room to attempt a written paper examination will be considered to have made an examination attempt.

Examination centre

An examination centre is a place where a student goes to attempt their written paper examinations. The University has approved examination centres worldwide. Students are required to sit any written paper examinations at one of these centres.

Exclusion

Where courses/modules may not be taken together under any circumstances, normally because there is an overlap in content.

Extension of registration

Where a student’s registration is extended by one year.

Final diploma

The final diploma is the certificate (o

Institutions with Diploma teaching status

Plagiarism

Plagiarism is the presentation of another person's thoughts or words as if they were the student's own: for example, copying from text books and other sources (including the Internet) without due acknowledgement that the passages quoted are copied and without giving the source of those passages.

Prerequisite

A prerequisite is a specified course/module/ that must be passed before the student is permitted to attempt the examination for another particular course/module.

Programme or programme of study

A programme or programme of study is a structured pathway (or pathways) of learning designed to equip a person with knowledge, understanding, subject specific skills and key skills relevant to the requirements for an award. It usually leads to an award.

Programme Specification

A Programme Specification is a concise description of the intended learning outcomes of a programme, and the means by which the outcomes are achieved and demonstrated. It gives a concise description of the key

Subject benchmark

Subject benchmarks set out expectations about standards of degrees in a range of subject areas, as defined by the QAA. They describe what gives a discipline its coherence and identity, and define what can be expected of a graduate in terms of the abilities and skills needed to develop understanding or competence in the subject.

Supplementary subjects