

## PROGRAMME SPECIFICATION MSc ILHP:

<b>1. Awarding institution</b>	The Royal Veterinary College
<b>2. Teaching institution</b>	The Royal Veterinary College (University of London)
<b>3. Programme accredited by</b>	N/A
<b>4. Final award</b>	Master of Science
<b>5. Programme Title</b>	MSc in Intensive Livestock Health and Production
<b>6. Date of First Intake</b>	September 2013
<b>7. Frequency of Intake</b>	Annually
<b>8. Duration and Mode(s) of Study</b>	<p>Part-time Distance Learning Delivery– DLD (online delivery), with provision for residential components and face-to-face workshops if required in the future by particular elective modules</p> <p>Minimum period required is 2 years Maximum period is 5 years Average duration is 3 years</p>
<b>9. Timing of Examination Board meetings</b>	Annually in September
<b>10. Date of Last Periodic Review</b>	N/A
<b>11. Date of Next Periodic Review</b>	2018-19
<b>12. Entry Requirements</b>	<p>The MSc is designed for those working within the agri-food sector, with many of the assessments workplace targeted.</p> <p>Entry to the course will be open to graduates with a university degree which is acceptable to the Royal Veterinary College. Appropriate degrees are Veterinary Medicine or an Honours degree (first or second class) in biological sciences, animal sciences or livestock production.</p> <p>Subject to the discretion of the Course Director, applicants with other degrees or prior equivalent experience may be considered.</p> <p>The course demands an excellent understanding of both written and spoken English language, including scientific usage and comprehension.</p>

	<p>Applicants whose first language is not English will be required to provide evidence of proficiency. They will be required to achieve an overall score of 7.0 in IELTS with a minimum of 6.5 in each sub-test; or a TOEFL score of at least 93 (internet-based test with no element below 23).</p> <p>Candidates are required to have access to a computer and a broadband internet connection</p>
<b>13. UCAS code</b>	N/A
<b>14. JACS Code</b>	D420
<b>15. Relevant QAA subject benchmark group(s)</b>	N/A
<b>16. Reference points</b>	
N/A	
<b>17. Educational aims of programme</b>	
<p>The main aim of the course is to provide a learning environment in which individuals can develop their conceptual approach to the intensive livestock food chain and their proficiencies in terms of skills, knowledge and attitudes as competent and reflective agri-food sector professionals.</p> <p>The course offers opportunities for candidates to achieve and demonstrate the following learning outcomes:</p> <p>A graduate of the course will be able to:</p> <ol style="list-style-type: none"> <li>1. understand and evaluate theories, methods and practice of the agri-food system that can be applied to their area of the intensive livestock production industry</li> <li>2. demonstrate a critical awareness of current problems and new insights from across the intensive livestock production industry</li> <li>3. develop new processes/techniques to improve intensive livestock production, supporting animal health and welfare</li> <li>4. identify, critically assess and address the emerging needs of the intensive livestock sector</li> <li>5. adopt new techniques to improve skills development</li> <li>6. be a reflective, self-evaluative and self-managing professional</li> <li>7. critically appraise research and practices in livestock and related food production fields, and develop skills to undertake qualitative and quantitative research using appropriate methods</li> <li>8. continue to develop independent and lifelong learning skills to promote their own personal and professional development as producers, researchers and leaders.</li> </ol>	
<b>18. Programme outcomes - the programme offers opportunities for students to achieve and demonstrate the following learning outcomes.</b>	

<p><b>A. Knowledge and Understanding of:</b> <b>At a basic level:</b></p> <ul style="list-style-type: none"> <li>• The functions and processes across the intensive livestock production system and the stakeholders within</li> <li>• The role in the protection of human health through the safe production of foods of animal origin, control of zoonotic disease and environment</li> <li>• Concepts of basic epidemiology and economics in animal health and production</li> <li>• Future livestock development and the use of tools to analyse the issues confronting producers, their advisers, planners and policy makers</li> <li>• Concepts of new technologies to effectively and efficiently increase farm animal production</li> </ul> <p><b>At an in-depth level:</b></p> <ul style="list-style-type: none"> <li>• Targeted theories, methods and practices relevant to the chosen area of industry selected by the student through elective modules</li> <li>• The theory or application of the use of specific technologies/methods relevant to the chosen area of industry selected by the student through elective modules</li> </ul>	<p><b>Teaching/learning methods:</b> Students acquire knowledge and understanding through participation in:</p> <ul style="list-style-type: none"> <li>• Online interactive learning</li> <li>• Online presentations</li> <li>• Message forums/bulletin boards</li> <li>• Work-based directed tasks</li> <li>• Literature-based research</li> <li>• Self-directed and independent study, using the 'RVC Learn' virtual learning environment</li> </ul> <p><b>Assessment by:</b></p> <p><i>Formative</i></p> <ul style="list-style-type: none"> <li>• Module assignments</li> <li>• Online presentations</li> <li>• Participation in discussion board</li> </ul> <p><i>Summative</i></p> <ul style="list-style-type: none"> <li>• Coursework, e.g. presentations, critical review of scientific literature</li> <li>• Written examinations</li> <li>• Orals</li> <li>• Research project</li> </ul>
<p><b>B. Cognitive Skills:</b></p> <ul style="list-style-type: none"> <li>• Reflection and self-evaluation</li> <li>• Logic and reasoning</li> <li>• Concentration and Perception</li> <li>• Visual and auditory processing leading to long-term memory</li> </ul>	<p><b>Teaching/learning methods:</b> Students' cognitive skills are developed / reinforced through active participation in:</p> <ul style="list-style-type: none"> <li>• Online interactive learning</li> <li>• Online presentations</li> <li>• Message forums/bulletin boards</li> <li>• Work-based directed tasks</li> <li>• Literature-based research</li> <li>• Self-directed and independent study, using the 'RVC Learn' virtual learning environment</li> </ul> <p><b>Assessment by:</b></p> <p><i>Formative</i></p> <ul style="list-style-type: none"> <li>• Module assignments</li> <li>• Online presentations</li> <li>• Participation in discussion board</li> </ul> <p><i>Summative</i></p> <ul style="list-style-type: none"> <li>• Coursework, e.g. reflective writing</li> <li>• Written examinations</li> <li>• Orals</li> <li>• Research project</li> </ul>

<p><b>C. Practical skills:</b></p> <ul style="list-style-type: none"> <li>• Demonstrate scientific skills, including critical review of the scientific literature</li> <li>• Use decision making skills to analyse animal health and production problems at farm and national level</li> <li>• Reflective writing</li> <li>• Critical appraisal of technology that is available for intensive livestock production</li> <li>• Analyse qualitative and/or quantitative data on intensive livestock production and report conclusions</li> </ul>	<p><b>Teaching/learning methods:</b> Students learn practical skills through active participation in:</p> <ul style="list-style-type: none"> <li>• Work-based directed tasks</li> <li>• Literature-based research</li> <li>• Self-directed and independent study, using the 'RVC Learn' virtual learning environment</li> </ul> <p><b>Assessment by:</b></p> <p><i>Formative</i></p> <ul style="list-style-type: none"> <li>• Module assignments, including reflective writing</li> <li>• Online presentations</li> </ul> <p><i>Summative</i></p> <ul style="list-style-type: none"> <li>• Coursework e.g. reflective writing</li> <li>• Written examinations</li> <li>• Orals</li> <li>• Research project</li> </ul>
<p><b>D. Key Skills:</b></p> <ul style="list-style-type: none"> <li>• Development of independent learning, taking responsibility for own studies. Reflectively evaluate and manage own learning and personal planning processes</li> <li>• Understanding own strengths and weaknesses and applying appropriate measures for successful learning in an isolated study situation.</li> <li>• Becoming a reflective self-manager, by taking a systematic, analytical, strategic and reflective approach to tasks</li> <li>• Information gathering and analytical skills to make own judgements about ideas and knowledge</li> <li>• Time management and organisational skills</li> <li>• Communication and language skills</li> <li>• Information technology skills</li> </ul>	<p><b>Teaching/learning methods:</b> Students' key skills are developed / reinforced through active participation in:</p> <ul style="list-style-type: none"> <li>• regular interaction with course tutors, peers</li> <li>• Self-directed and independent study, using the 'RVC Learn' virtual learning environment</li> <li>• use of computer software in the preparation of assessment write-ups, module assignments and literature searches</li> <li>• use of interactive online learning in the form of lectures, presentation and message forums</li> <li>• Literature-based research</li> </ul> <p><b>Assessment by:</b></p> <p><i>Formative</i></p> <ul style="list-style-type: none"> <li>• Module assignments</li> <li>• Online presentations</li> <li>• Participation in discussion board</li> </ul> <p><i>Summative</i></p> <ul style="list-style-type: none"> <li>• Coursework</li> <li>• Written examinations</li> <li>• Orals</li> <li>• Research project</li> </ul>
<p><b>19. Programme structures and requirements, levels, modules, credits and awards</b></p>	
<p>The MSc consists of a total of 180 credits at Level 7, Masters Level -</p> <p>PG Certificate level (60 credits): Three compulsory modules; one module of 30 credits and two of 15 credits each.</p> <p>PG Diploma level (60 credits): PG Certificate PLUS a choice of 4, 15 credit modules</p>	

MSc level (60 credits): One compulsory 15 credit module and 45 credit research project

PG Certificate: Compulsory modules

1. Principles and practices of food systems (30)
2. People in the system (15)
3. Current trends in food systems (15)

PG Diploma: Four elective modules chosen from:

1. Infectious diseases of intensively reared livestock (poultry) (15)
2. Infectious diseases of intensively reared livestock (pigs) (15)
3. Food safety: a system-wide approach (15)
4. Applied animal welfare (15)
5. Epidemiology (15)
6. Genetics and genomics (15)
7. Applied animal nutrition (15)
8. Animal health economics (15)

MSc: Compulsory modules

1. Research methods for the Food System (15)
2. Research project (45)

**20. Work Placement Requirements (BVetMed and FdSc only)**

N/A