

## Module Descriptor

Part 1: Basic Data					
Module Title	Applied Research Practice				
Module Code	HANV9C-30-7	Level	7	Version	4.0
Credit Rating	30	ECTS Credit Rating	15		
Teaching Institution	Hartpury	Department	Animal and Agriculture	Module Type	Standard
Contributes towards	MRes Animal Science MRes Animal Science (Livestock) MRes Equestrian Science MSc Advanced Veterinary Nursing PG Cert Research Methods PG Cert Research Methods (Animal and Agriculture)				
Professional Accrediting Body	None	Module Entry requirements	None		
Pre-requisites	None	Excluded Combinations	None		
Most recent Validation Date	21 March 2022	Due for re-validation by	01 September 2027		
Amendment Approval Date	V3.1 - 22 June 2022 V3.2 - 19 December 2023 V4.0 - 16 July 2024	Approved with effect from	V3.1 - 01 September 2022 V4.0 - 01 September 2024		

Part 2: Module Content	
Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> <li>Persuasively justify an original research idea that seeks to investigate a question or problem of significance to relevant scientific and industry communities. (A)</li> <li>Outline, justify and critically analyse a method appropriate to answering the identified research question. (A)</li> <li>Identify and address ethical concerns associated with specific research techniques. (A)</li> <li>Communicate concisely and clearly the key findings of a scientific study. (A)</li> <li>Engage constructively with other researchers through peer feedback. (A)</li> </ol>
Syllabus Outline	<p>This module will enable learning to be contextualised to the programme on which the student is registered and the research area that they propose to explore.</p> <p>Research design considerations:</p> <ul style="list-style-type: none"> <li>Replicability and issues in current study design in science, including current best practice (e.g. registered reports)</li> <li>Data analysis considerations (qualitative and quantitative) at an advanced level</li> <li>Ethics and wellbeing and EDI (Equity/Diversity/Inclusivity) considerations</li> </ul>

	<ul style="list-style-type: none"> <li>• Writing successful proposals</li> <li>• Project planning and management (including pilot studies)</li> <li>• Personalised reflective strategies</li> <li>• Optimal dissemination of research findings (graphs, reports, infographics, talks, posters, lay media) for greatest impact</li> <li>• Engaging constructively in the scientific community (developing collaborations, peer review, conference participation and networking).</li> </ul>
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<b>Part 3: Learning, Teaching and Assessment</b>	
Description of Learning and Teaching	Teaching and learning strategies vary for this module and may include lectures, seminars and tutorial support. Students will work with a tutor aligned to their personalised subject area and / or methodological approach who they will be expected to engage with to support the planning of a research project. Students will also be expected to engage in independent learning and extensive further reading to support their achievement. Attendance at relevant research conferences and industry events is encouraged to broaden knowledge and understanding of their individual subject area.
Resource Strategy	<p><b>Essential reading</b> Essential material will be indicated to the student via pre-course material, module guides and through their accessing a dedicated VLE presence. No requirement for the purchase of set text(s) will be made unless explicitly stated and students will have full access to library services, online applications, and inter-library loans.</p> <p><b>Further reading</b> Students are expected to identify all other reading relevant to their chosen topic for themselves. They will be required to read widely using the library catalogue, a variety of bibliographic and full text databases, and Internet resources. Many resources can be accessed remotely. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from the academic literature and wider professional sources.</p> <p><b>Access and skills</b> Formal opportunities for students to develop their library and information skills are provided within the induction period and student skills sessions. Additional support is available through online resources. This includes interactive tutorials on finding books and journals, evaluation information and referencing. Sign up workshops are also offered.</p>
Assessment Strategy	<p>This module will be assessed according to the approved Hartpury Academic Regulations including any specific regulations detailed within the student's programme specification.</p> <p>To support the development of communication and critical evaluation skills, students will present and defend a project outline in an oral (viva-style) examination. The assessment strategy is designed to allow students to develop a research project idea, in collaboration with an academic staff member, that will be aligned to their personal area of research interest. In the oral examination they will initially outline and justify the project, exploring its originality, rigour and significance, with reference to contemporary literature and industry practice. They will also engage in a critical reflection of the project's potential strengths and weaknesses, exploring the project's methodology. Finally, they will need to consider ethical complexities and data management. They will then need to justify their approaches further, in response to questioning from the assessor in a viva-style conversation.</p>

	<p>Throughout the module, students are encouraged to engage in critical debate of their ideas, project design and execution to gain informal formative feedback from their supervisor, their peers, and any internal or external stakeholders in the project.</p> <p>A student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to the VLE.</p>
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Identify final assessment component and element	A1	
% weighting between components A and B (Standard modules only)	<b>A:</b> 100%	<b>B:</b> 0%
<b>First Sit</b>		
<b>Component A</b> Description of each element	<b>Element weighting</b> (as % of component)	
1. Oral Examination (60 minutes)	100%	
<b>Resit (further attendance at taught classes is not required)</b>		
<b>Component A</b> Description of each element	<b>Element weighting</b> (as % of component)	
1. Oral Examination (60 minutes)	100%	
If a student is permitted a retake of the module under the Academic Regulations, the assessment will be that indicated by the Module Specification at the time that retake commences.		

<b>Part 4: Comparative Information</b>																						
Information	<p>Information has to be produced at programme level to produce comparable sets of standardised information about courses allowing prospective students to compare and contrast between programmes they are interested in applying for.</p> <p>Expected learning hours for the module:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Hours to be allocated</th> <th style="width: 25%;">Scheduled learning and teaching study hours</th> <th style="width: 25%;">Independent study hours</th> <th style="width: 35%;">Placement study hours</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">300</td> <td style="text-align: center;">24</td> <td style="text-align: center;">276</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> <p>Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the Assessment section of this module description:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Total assessment of the module</th> <th style="width: 20%;">Percentage</th> </tr> </thead> <tbody> <tr> <td>Written Examination (Written Examination / Written Test)</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Coursework (Coursework / Report / Portfolio)</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Practical Examination (Practical Skills Examination / Practical Skills Assessment / Oral Assessment)</td> <td style="text-align: center;">100%</td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: center;"><b>100%</b></td> </tr> </tbody> </table>				Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	300	24	276	0	Total assessment of the module	Percentage	Written Examination (Written Examination / Written Test)	0%	Coursework (Coursework / Report / Portfolio)	0%	Practical Examination (Practical Skills Examination / Practical Skills Assessment / Oral Assessment)	100%	<b>Total</b>	<b>100%</b>
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## Module Amendment Log

<b>Module Title:</b>	Applied Research Practice
<b>Module Code:</b>	HANV9C-30-7
<b>Initial Approval Date:</b>	01 September 2017

### Approved Module Changes (most recent at the top):

<b>Current version number: 3.2</b>	
<b>Outline Change Details:</b> Part 2: Module Learning Outcomes and Syllabus Outline altered. Part 3: Assessment changed from Poster Defence and Project Report to one point of assessment – Oral Examination. Assessment Strategy updated to reflect this change. Part 4: Comparative Information changed from 70:30 Coursework and Practical Examination to 100% Practical Examination.	
<b>Material Alteration: Yes and is accompanied by the relevant programme specifications and/or course marketing information.</b>	
<b>Rationale:</b> The previous module featured the requirement to complete a full pilot research project, but the timings within the academic year made this a complicated undertaking. The module has been revised to focus on project development and planning, but with further material on the practicalities of how scientists undertake a project from start to finish.	
<b>Module description for Course Marketing Purposes:</b> Explore literature, advanced research methodologies and data analysis aligned to your area of specific interest, leading to the design, completion and write up of a preliminary research project. Dissemination of research outputs will also be covered to develop your scientific communication skills.	
<b>Change requested by: Ben Brilot</b> <ul style="list-style-type: none"> <li>• I can confirm that all programme managers have been consulted and support this change</li> <li>• I can confirm that student representatives have been consulted about this change</li> <li>• I have retained evidence of this consultation which has been placed in the Module File</li> </ul>	
<b>Signature:</b> B Brilot	<b>Date:</b> 15/04/24
<b>Name of Head of Department: Wanda McCormick</b> <ul style="list-style-type: none"> <li>• I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department, and have not included a completed Resource Impact and Authorisation Form</li> </ul> I can confirm that this change does not require a change to the HECOS code  	
<b>Signature:</b>	<b>Date:</b> 15/4/24
<b>Approval Committee and Date:</b>	CVC 2024 07 16
<b>Change approved with effect from:</b>	01 September 2024
<b>Resulting HECOS code:</b>	100523 Animal Science Contribution to programme reflects programme's context
<b>Resulting new version number:</b>	4.0

<b>Current version number: 3.1</b>	
<b>Outline Change Details:</b> Update of contributes towards to include the MSc Advanced Veterinary Nursing	
<b>Material Alteration: No</b>	
<b>Rationale: To ensure accuracy</b>	

**Module description for Course Marketing Purposes:**  
 Gain experience of exploring literature, understanding and utilising research methodologies, and data analysis aligned to your specific area of interest. This process will lead to the design, completion and write up of a preliminary research project where dissemination of research outputs will also be covered to develop scientific communications skills.

**Change requested by: (Name) Carol Gray**

- I can confirm that all programme managers have been consulted and support this change
- I can confirm that student representatives have been consulted about this change
- I have retained evidence of this consultation which has been placed in the Module File



**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
 30/10/23

**Name of Head of Department:**

- I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department, and have not included a completed Resource Impact and Authorisation Form
- I can confirm that this change does not require a change to the HECOS code



**Signature:** \_\_\_\_\_ **Date:** 30/10/2023

<b>Approval Committee and Date:</b>	Curriculum Validation Committee 2023 12 19
<b>Change approved with effect from:</b>	01 September 2024
<b>Resulting HECOS code:</b>	100523 Animal Science
<b>Resulting new version number:</b>	3.2

**Current version number: 3.0**

**Outline Change Details:**  
 New programme added to Part 1: 'Contributes towards' - PG Cert Research Methods (Animal and Agriculture).

**Material Alteration: No**

**Rationale:**  
 To ensure accuracy

**Change requested by: Jane Williams**

- I can confirm that all programme managers have been consulted and support this change
- I can confirm that student representatives have been consulted about this change
- I have retained evidence of this consultation which has been placed in the Module File

**Signature:** Jane Williams **Date:** 29/04/22

**Name of Head of Department: Wanda McCormick**

- I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department, and have / have not included a completed Resource Impact and Authorisation Form
- I can confirm that this change does require a change to the HECOS code



**Signature:** \_\_\_\_\_ **Date:** 26/04/2022

<b>Approval Committee and Date:</b>	CVC Deputy Chair's action 2022 06 22
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<b>Change approved with effect from:</b>	01 September 2022
<b>Resulting new HECOS code:</b>	100523 Animal Science
<b>Resulting new version number:</b>	3.1

<b>Current version number:</b> 2.0
<b>Outline Change Details:</b> 1. Document amended to meet requirements of new 2022 template. 2. Research report amended to Project Report, reduced length to 3500 words. Poster Presentation and Defence altered to Poster Defence, increased duration to 20 minutes. 3. Scheduled hours reduced from 36 to 24

<b>Material Alteration:</b> No
<b>Rationale:</b> 1. Module aligned to Hartpury academic curriculum framework. 2. As above 3. Better alignment with existing research-based modules on MRes Animal Science.

<b>Module description for Course Marketing Purposes:</b> Gain experience of exploring literature, understanding and utilising research methodologies, and data analysis aligned to your specific area of interest. This process will lead to the design, completion and write up of a preliminary research project where dissemination of research outputs will also be covered to develop scientific communications skills.
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<b>Change requested by:</b> B Brilot
<p>I can confirm that all programme managers have been consulted and support this change  I can confirm that student representatives have been consulted about this change  I have retained evidence of this consultation which has been placed in the Module File</p> 
<b>Signature:</b> _____ <b>Date:</b> 01/12/21

<b>Name of Head of Department:</b> Wanda McCormick
<ul style="list-style-type: none"> <li>I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department, and have not included a completed Resource Impact and Authorisation Form</li> <li>I can confirm that this change does require a change to the HECOS code</li> </ul>
<b>Signature:</b> W McCormick <b>Date:</b> 24/01/2022

<b>Approval Committee and Date:</b>	Refresh Approval Panel action 2022 03 21
<b>Change approved with effect from:</b>	01 September 2022
<b>Resulting new HECOS code:</b>	100523 Animal Science
<b>Resulting new version number:</b>	3.0

<b>Current version number:</b> 1.2
<b>Outline Change Details:</b> Unistats information- Scheduled hours changed from 48 to 36 hours Independent study hours changed from 252 to 264 hours Parts 2 and 3 updated in line with current module template.

<b>Material Alteration:</b> No
<b>Rationale:</b> The module is not sustainable for staff and students at 48 hours for a 30 credit project module so I have suggested we remove 12 hours of taught content.

<b>Change requested by:</b> Jenni Douglas

<b>Signature:</b> _____ <b>Date:</b> 10 <sup>th</sup> December 2020

<b>Name of Head of Department:</b> Wanda McCormick
I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department

		<b>Date:</b> 04/01/2021
<b>Signature:</b>		
<b>Approval Committee and Date:</b>	CVC 2021 02 22	
<b>Change approved with effect from:</b>	01 September 2021	
<b>Resulting new version number:</b>	2.0	

<b>Current version number:</b> 1.1	
<b>Outline Change Details:</b> Adopting new naming system for programmes	
<b>Material Alteration:</b> No	
<b>Rationale:</b> To reflect the Hartpury Academic Regulations	
<b>Change requested by:</b> Academic Registrar	
<b>Signature:</b>	<b>Date:</b> 01 August 2018
<b>Approval Committee and Date:</b>	Curriculum Validation Committee 2018 08 31
<b>Change approved with effect from:</b>	01 September 2018
<b>Resulting new version number:</b>	1.2

<b>Current version number:</b> 1.0	
<b>Outline Change Details:</b> Swap the assessments so the Research Report is Component B, and the Poster Presentation Component A.	
<b>Material Alteration:</b> No	
<b>Rationale:</b> More of the learning outcomes refer to Component B (currently the Poster presentation) than Component A (the Research report), which suggests it is the larger assessment on the module (4000 word research report). Additionally, learning outcome 6 lends itself to assessing a short oral presentation, rather than a lengthy report.	
<b>Change requested by:</b> Dr Catherine Shine	
<b>Signature:</b>	<b>Date:</b>
<b>Approval Committee and Date:</b>	
<b>Change approved with effect from:</b>	01 September 2018
<b>Resulting new version number:</b>	1.1

<b>Initial HECOS code:</b>	100962 Research Skills
<b>Initial module description for Course Marketing Purposes:</b> Explore literature, advanced research methodologies and data analysis aligned to your area of specific interest, leading to the design, completion and write up of a preliminary research project. Dissemination of research outputs will also be covered to develop your scientific communication skills.	