

Module Descriptor Form

1	Awarding Body	Askham Bryan College
2	Lead Subject Area	Equine
3	Module title	Performance Horse Production and Evaluation
4	Module Code	EQ5002
5	Module level	5
6	Module credits	20
7	Date Module to Commence	September 2022
8	Programmes on which module is Core	FdSc Equine Science and Management ExFdSc Equine Science and Management
9	Aims of the Module	To provide the learner with a broad overview of approaches taken to breed, produce and evaluate the modern performance horse and to evaluate current issues which may impact upon this process.
10	Rationale for Module	The equine reproduction industry is constantly evolving in response to veterinary and technological advances. Learners will study a range of breeding technologies and explore ethical considerations surrounding these. For the performance horse, the student needs to be able to recognise a suitable horse and understand how the industry produces and grades them. Recent developments in quantitative biomechanical analysis in the equine industry, means that these objective measures are now more commonly used.
11	Module description	This module focuses on the production/breeding and evaluation of the performance horse, by the student and in industry and research. A variety of breeding strategies will be considered so that students may compare different approaches to breeding and the associated management of mares and stallions. A considered approach to breeding is required in the current economic climate and this module will equip learners with the information to make informed decisions regarding the breeding of horses. Care of mare and foal throughout the breeding process to weaning ensure health and welfare of the horses. Students will study the effect that conformation has on the performance horse. Students will observe horses working in groundwork exercise (lunge and long rein using a variety of training aids and free schooling) and be able to identify correct way of going against recognised scales. Weaknesses in the dynamic conformation and movement will be investigated and exercises to improve the performance also investigated. Some biomechanical analysis technologies will be scrutinised and reviewed to aid evaluation of the performance horse. Linear grading schemes will be applied to the horse practically.

12	Semester	Semester 1
13	Learning Outcomes	LO1 Appraise methods of foal production from conception to weaning. LO2 Practically use and appraise quantitative methods for the analysis of equine gait. LO3 Evaluate the static and dynamic conformation of a performance horse. LO4 Appraise the way of going of a horse undertaking ground work and techniques to aid longevity in equestrian sport. LO5 Participate effectively within the workplace by demonstrating the industry skills, personal attributes and CPD which support employment within their industry.
14	Pre-requisite Modules	None
15	Co-requisite Modules	None
16	Banned Combinations	None
17	Is Module Compensatable	No
18	Indicative Content	LO1: Natural and assisted reproductive technology – developments in AI, cryopreservation, semen sexing, embryo transfer, cloning and ICSI and management of the mare and stallion prior to and during the use of these techniques. Gestation of the foal and normal and dystocia foaling. Care of the mare pre and post partum. Foal care and weaning. LO2: Gait analysis techniques and the collection of kinematics and kinetic data. Use data to practically assess a horse. Review a range of biomechanical procedures in equine use. Dressage and jumping horse biomechanics. LO3: Evaluating conformation: normal and abnormal development of the equine musculoskeletal system; static conformation and biostatics; dynamic conformation and movement analysis including lameness assessment; hoof structure and foot balance and principles of remedial farriery for the performance horse

		LO4: Evaluating a horse working on the lunge, loose schooling, long reining or in-hand. Weaknesses are to be identified with regard to the scales of training and ISES training principles. Appropriate programmes of work carried out over a period of time to meet the needs of the horse. identifying potential in young horses; techniques to aid longevity of a range of performance horses. LO5: This outcome looks at the skills needed to enable the student to be successful in the workplace and gain skills of value to industry. The student will undertake 300 hours of vocational work experience throughout the duration of their programme and will be supported throughout this by a combination of workshops, group and individual tutorials, both on-site and on-line. Engaging with both the careers team and course managers to identify suitable and relevant Continuous Professional Development (CPD) sessions to attend to support the attainment of the attendance certificates/proof of attendance. These may be organised onsite or off site for students to gain relevant experience suitable for their industry. Within the module links are made to the Education for Sustainable Development goals https://www.qaa.ac.uk/docs/qaa/guidance/education-for-sustainable-development-guidance-executive-summary.pdf?sfvrsn=b121d281_8
19	Inclusivity, access and student support	We are committed to ensuring that our programmes and modules are inclusive of all students including: international, part-time, mature, those from different socio-economic backgrounds (class) and those with protected characteristics according to the Equality Act 2010 (age, disability, gender reassignment, marriage/civil partnership, race, religion or belief, sex, sexual orientation). All lecture material will be available on the VLE for students in advance of the lecture. Lecture material will be designed for diverse learners under accessibility guidelines. An alternative assessment will be available for all students with a DSA, in line with recommendations in their individual needs assessment.
20	Link to the Digital Vision	The VLE will be utilised, along with online quizzes to test for understanding. Lectures will be recorded online.

21	Total Contact Hours	48
	Lecture	12
	Seminar	4
	Tutorial	4
	Project Supervision	0
	Demonstration	0
	Practical classes/workshops	12
	Fieldwork	3
	External visits	3
	Work based learning / Placements	300
	Directed Learning	10
	Guided independent study	152
22	Learning and Teaching Strategy	Students will receive lectures to outline key themes, which will be backed up by 1:1 tutorials, particularly for support with developing their practical assessments. Students will receive theoretical underpinning knowledge and learn how to contextualise theory to the equine setting. Students may participate in or observe practical riding sessions, and demonstrate practical skills involving the horse This module will incorporate a significant amount of practical work related to the planning of and training of horses.
23	Virtual Learning Strategy	All module resources will be available on the VLE, as will links to further reading, videos etc. Students will be encouraged to actively participate in online discussion forums. Formative assessment will take place regularly using online tasks on the VLE. PowerPoint slides and journal articles will be provided on the VLE. There will also be links to key websites for students to use on the VLE.
24	Opportunities for Formative Assessment	Continual formative assessment of training plans, practical skills and development of the training programme.

25	Method of Summative Assessment	Ass No.	Method	Weighting	Mod. LO's	Prog LO's
		1	Breeding leaflet	25%	1	KU1, KU2, KU3, CIT1, CIT2, CIT3, CIT4, CIT5, CIT6, PP1, PP2, PP5, E1, E2, E3, E4, E6, E7
		2	Professional discussion with biomechanical report	75%	2, 3, 4	KU1, KU2, KU3, CIT1, CIT2, CIT3, CIT4, CIT5, CIT6, PP1, PP2, PP5, E1, E2, E3, E4, E6, E7
		3	300 hours of work placement + evidence of attendance at a CPD event	Pass/fail	5	KU1, KU2, CIT1, CIT2, CIT3, CIT4, CIT5, PP5, E3
26	Examination Period	N/A				
27	Method/s of reassessment	Written or practical assessment to cover the failed learning outcome/s and/or completion placement hours if needed.				
28	Maximum Class Size	10				

29.1	Essential Reading (Books)	Back, W. and Clayton, H.M. 2013. <i>Equine Locomotion</i>. 2nd ed. Edinburgh: Saunders Clayton, H.C. Current edition. <i>The Dynamic Horse: A Biomechanical Guide to Equine Movement and Performance</i>. Mason: Sport Horse Publications Davies Morel, M.C.G. 2015. <i>Equine Reproductive Physiology, Breeding and Stud Management</i>. 4th ed. Wallingford: CABI
29.2	Recommended Reading (Books)	Denoix, J. 2014. <i>Biomechanics and Physical Training of the Horse</i>. London: Manson Publishing England, G. 2005. <i>Fertility and Obstetrics in the Horse (E-Book)</i>. 3rd ed. Oxford: Blackwell Harris, P.A., Hill S. J. and Abeyasecere L.A. 2005. <i>The First Waltham International Breeding Symposium: new insights into growing the young horse successfully</i>. Newmarket: Equine Veterinary Journal Higgins, G. and Martin, S. 2012. <i>Horse Anatomy for Performance</i>. Newton Abbott: David and Charles Loriston-Clarke, J. 2004. <i>Lungeing and Long-Reining</i>. London: J. A. Allen McKinnon, A.O., Squires, E.L., Vaala, W. E., Varner, D. D. and Voss, J.L. eds. 2011. <i>Equine Reproduction</i>. 2nd ed. Oxford: Wiley Blackwell. Samper, J. C. 2009. <i>Equine Breeding Management and Artificial Insemination</i>. St. Louis: Elsevier Health Sciences. Samper, J.C., Pycock J.F. and MacKinnon, O.A. eds. 2007. <i>Current Therapy in Equine Reproduction</i>. St. Louis: Saunders Elsevier Schacht, C. 2012. <i>Sport Horse Conformation: Evaluating Athletic Potential in Dressage, Jumping and Event Prospects</i>. London: J A Allen
29.3	Essential Reading (Journals)	Equine Veterinary Journal
29.4	Recommended Reading (Journals)	Animal Behaviour
29.5	Websites/ Online/ Government Resources etc	www.centaurbiomechanics.co.uk
30	Date Written/ Revised	February 2022 (Revised 16/6/22 KJ)
31	Module Leader Name	Kate Johnstone
32	Writing Team Names	Kate Johnstone