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# **Bachelor of Science (Equine Management)**

## **BACHELOR OF SCIENCE (EQUINE MANAGEMENT)**

### **PROGRAMME SPECIFICATIONS**

The rapid development of equine industry in Malaysia has demanded more experts in the field of equine science and equine management. Universiti Teknologi Malaysia (UTM) aspires to be the pioneer among higher learning institutions in Malaysia and in the South East Asia region to promote equine sports and equestrian activities among students as well as the public to develop interest and passion for the sports.

The curriculum structure for Bachelor of Science (Equine Management) has taken into consideration requirements and recommendations of various equine associations, equine establishments and especially the Malaysian Equine Council (MEM). The curriculum will mainly cover the basic theories of equine science and equine management whilst developing the students with practical skills, good communication, leadership quality as well as entrepreneurship.

Methods of teaching and learning is through lectures, tutorials, practical work, group discussions, individual presentations, group presentations and industrial training. The percentage of the study methods being delivered are 72% teaching courses, 18% practical, 6% industrial training, 4% of individual and group projects.

#### **General Information**

1. Awarding Institution	Universiti Teknologi Malaysia
2. Teaching Institution	Universiti Teknologi Malaysia
3. Programme Name	Bachelor of Science (Equine Management)
4. Final Award	Bachelor of Science (Equine Management)
5. Programme Code	SEBQ-01
6. Professional or Statutory Body of Accreditation	Malaysian Qualification Agency (MQA)
7. Language(s) of Instruction	English and Bahasa Melayu
8. Mode of Study (Conventional, distance learning, etc)	Conventional
9. Mode of operation (Franchise, self-govern, etc)	Self-governing
10. Study Scheme (Full Time/Part Time)	Full Time and Part Time
11. Study Duration	Minimum: 4 years Maximum: 6 years

## Course Classification

No.	Classification	Credit Hours	Percentage
i.	General University Course	23	17.3%
ii.	Programme Core Course	70	52.6%
iii.	Programme Elective Course (Compulsory)	40	30.1%
	<b>Total</b>	<b>133</b>	<b>100%</b>
<b>Total Credit Hours to Graduate</b>		<b>133 credit hours</b>	

## Programme Educational Objectives (PEO)

After having exposed to 3 to 5 years working experience, our graduates should become professionals who demonstrate the following competencies:

Code	Intended Educational Objectives
PEO1	Skilled and competent in equine science and equine management globally and are able to contribute to the development of the country's equine industry.
PEO2	Highly capable in project management specifically related to the equine industry and practice.
PEO3	Prominent leaders or members of equine teams while being creative, innovative, and are able to adapt to the equine industry.
PEO4	Proficient in communicating effectively within the equine industry network and socially responsible while being involved with high ethical standards.

## Programme Learning Outcomes (PLO)

After having completed the programme, graduates should be able to demonstrate the following competencies:

Code	Intended Learning Outcomes
PLO1	Ability to understand and apply knowledge of equine science and equine management

PLO2	Ability to analyse and manage resources related to the field of equine
PLO3	Ability to solve problems creatively using knowledge and technical skills in equine science and equine management.
PLO4	Ability to communicate effectively in both written and verbal communication.
PLO5	Ability to think creatively and critically in solving problems related to equine field.
PLO6	Demonstrate confidence to act effectively individually or in a team.
PLO7	Demonstrate ability to practice lifelong learning.
PLO8	Ability to identify business opportunities and demonstrate entrepreneurship skills.
PLO9	Demonstrate responsible behaviour and good leadership skills.
PLO10	Demonstrate professionalism and good ethics.

## Entry Requirements

### For Malaysian Students

#### General Entry Requirements:

1. A pass in Malaysian Certificate of Education (SPM) or equivalent with a credit in Bahasa Melayu/Bahasa Malaysia or a credit in Bahasa Melayu/Bahasa Malaysia (July paper), **and**
2. Having Diploma or equivalent qualification recognized by the Malaysian Government, **or**
3. A pass in Malaysian Higher School Certificate (STPM) with at least C grade (CGPA 2.00) in General Paper and C grade (CGPA 2.00) in any two of the taken subjects in the STPM, **or**
4. A pass in Malaysian Matriculation Certificate / Foundation with minimum CGPA of 2.00, **or**
5. Hold A – Level / International Baccalaureate / Australian Matriculation (Ausmat) Certificate.
6. Attained a minimum Band 2 in Malaysian University English Test (MUET)/ Band 5.5 in IELTS/ Score of 500 in TOEFL PBT/ Score of 59 in TOEFL IBT.

#### Special Requirements for the Programme

1. Comply to university general requirements, **and**
2. Obtained a Diploma or equivalent in the field related to the applied course from UTM or other recognized institution with at least CGPA 2.75, **or**
3. Passed Malaysian Certificate of Education (SPM) or equivalent and has 3 years of working experience and attended at least 3 short courses recognized by the Malaysian Equine Council.
4. Credits in SPM Mathematics
5. Passed fitness test and interview conducted by the program.
6. Do not have any physical disabilities

Please refer to [admission.utm.my/undergraduate-malaysian/](http://admission.utm.my/undergraduate-malaysian/) for further details.

## **For International Students**

### General Entry Requirements:

1. Passed General Certificate of Education (GCE), 'A' Level, Diploma in related field or other equivalent pre-university examinations; **or**
2. Any other certificate that is recognized by Senat of the University equivalent to the above; **or**
3. Participate in the bridging program organized by the university, **and**
4. Pass the English Proficiency requirements.
5. Pass the Health requirements.

Please refer to [admission.utm.my/entry-requirements-ug-international/](http://admission.utm.my/entry-requirements-ug-international/) for further details.

## **Award Requirements**

To be conferred a degree, students must:

- Attain a total of not less than 133 credit hours with a minimum CGPA of 2.0.
- Professional Skill Certificate (PSC)
  1. How to Get Yourself Employed (HTGYE)
  2. ISO 9001: 2008 Quality Management System Requirement
  3. Occupational Safety and Health Awareness (OSHA)
  4. How to Manage Your Personal Finance (HTMYPF)
  5. Test of English Communication Skills for Graduating Students (TECS):
    - (i) TECS 1001 (Paper I – Oral Interaction)
    - (ii) TECS 1002 (Paper II - Writing)

## **CROSS-CAMPUS PROGRAMME**

Students are given the opportunity to enrol in a few courses in participating universities. The grades and credits obtained during this period are transferable.

The programme is open to undergraduates who have undergone a minimum of two semesters of their studies with the following conditions:

1. The total number of credits allowed to be taken is between twelve (12) and eighteen (18) credits only.
2. The student should hold a minimum CGPA of 3.50 and Band 4 MUET at the time of application.
3. The student is not a residence of or originated from the state where the university that he/she intends to attend is located.

The student will not be charged tuition fees by the participating university but shall pay the regular tuition fees at UTM. However, should the participating university provide accommodation, the student will need to pay accommodation

fees.

## PROFESSIONAL SKILLS CERTIFICATE (PSC)

Students are given a chance to enrol in certificate programmes offered by the Centres of Excellence in the University and the School of Professional and Continuing Education (SPACE) during semester breaks.

1. How to Get Yourself Employed (HTGYE)
2. ISO 9001: 2008 Quality Management System Requirement (ISO)
3. Occupational Safety and Health Awareness (OSHA)
4. How to Manage Your Personal Finance (HTMYPF)
5. Test of English Communication Skills for Graduating Students (TECS):
  - (i) TECS 1001 (Paper I – Oral Interaction)
  - (ii) TECS 1002 (Paper II - Writing)

## COURSE MENU

YEAR 1 (SEMESTER 1)			
Code	Courses	Credit	Pre-Req
SEBQ 1013	Introduction to Equine Science and Industry	3	
SHPR 1952	Physical Fitness and Wellness	2	
SEBQ 1023	Introduction to Management	3	
SEBQ 1093	Basic Horse Handling	3	
SEBQ 1282	Practical Experience in Equine Farm Management I	2	
UHMS 1172	Malaysian Dynamics (Local)	2	
UHLM 1012	Malay Language Communication 2 (International)		
UHLB 1112	English Communication Skills	2	
<b>TOTAL CREDIT HOURS</b>		<b>17</b>	

YEAR 1 (SEMESTER 2)			
Code	Courses	Credit	Pre-Req
SEBQ 1102	Sports Psychology	2	
SEBQ 1112	Foundation of Equine Performance	2	
SEBQ 1203	Equine Anatomy and Physiology	3	
SEBQ 1033	Farm and Stable Management	3	
SEBQ 1292	Practical Experience in Equine Farm	2	

	Management II		
UHMT 1012	Graduate Success Attributes	2	
UHS 1012	Islamic and Asian Civilization (TITAS) - Local	} 2	
UHMS 1022	Malaysian Studies (International)		
SHPR 2922	Strength and Physical Conditioning	2	
<b>TOTAL CREDIT HOURS</b>		<b>18</b>	

<b>YEAR 2 (SEMESTER 1)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>
SEBQ 2122	Horse Riding I: Endurance	2	
SEBQ 2213	Basic Equine Healthcare and Diseases	3	
SEBQ 2043	Commercial Equine Facilities Design and Management	3	
SEBQ 2302	Practical Experience in Equine Farm Management III	2	
UICL 2**2	Elective of Knowledge Enhancement	} 2	
UHAK 2**2	Elective of Soft Skills		
UHLB 2122	Academic Communication Skills	2	UHLB 1112
UKQ* 2**2	Co-curriculum and Service Learning	2	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

<b>YEAR 2 (SEMESTER 2)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>
SEBQ 2053	Equine Business Management	3	
SEBQ 2062	Principles of Risk Management	2	
SEBQ 2133	Horse Behaviour and Training	3	
SEBQ 2142	Horse Riding II: Dressage	2	
SEBQ 2223	Equine Disease Management	3	
SEBQ 2312	Practical Experience in Equine Farm Management IV	2	
UHIT 2302	Sciences and Technology Thinking	2	
<b>TOTAL CREDIT HOURS</b>		<b>17</b>	

<b>YEAR 3 (SEMESTER 1)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>

SEBQ 3243	Equine Nutrition	3	
SEBQ 3233	Equine Lameness and Conditioning	3	
SEBQ 3152	Horse Riding III: Jumping	2	
SEBQ 3322	Practical Experience in Equine Farm Management V	2	
SEBQ 3073	Event and Competition Management	3	
UBBS 1032	Introduction to Entrepreneurship	2	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

<b>YEAR 3 (SEMESTER 2)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>
SEBQ 3302	Research Methodology	2	
SEBQ 3183	Equestrian Motion Analysis	3	
SEBQ 3263	Equine Quarantine	3	
SEBQ 3332	Practical Experience in Equine Farm Management VI	2	
UHLB 3132	Professional Communication Skills	2	UHLB 2122
UHL* 1112	Elective Foreigner Language	2	
<b>TOTAL CREDIT HOURS</b>		<b>14</b>	

<b>SHORT SEMESTER</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>
SEBQ 4368	Industrial Training	8	
<b>TOTAL CREDIT HOURS</b>		<b>8</b>	

<b>YEAR 4 (SEMESTER 1)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>
SEBQ 4163	Riding Instructor Training	3	
SEBQ 4173	Equine Evaluation and Selection	3	
SEBQ 4193	Equine for Disabled	3	
SEBQ 4082	Equine Seminar	2	
SEBQ 4342	Practical Experience in Equine Farm Management VII	2	
SEBQ 4102	Undergraduate Project I	2	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	



<b>YEAR 4 (SEMESTER 2)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-Req</b>
SEBQ 4253	Equine Therapy and Rehabilitation	3	
SEBQ 4273	Equine Reproduction and Breeding Technologies	3	
SEBQ 4352	Practical Experience in Equine Farm Management VIII	2	
SEBQ 4114	Undergraduate Project II	4	
UKQT 3001	Extracurricular Experiential Learning (ExCEL)	1	
<b>TOTAL CREDIT HOURS</b>		<b>13</b>	

### **Elective of Generic Skill Courses**

<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
UHMT 2012	Leadership in Organization	2	
UHMT 2022	Critical and Creative Thinking	2	
UHMS 2032	The Human Side of Knowledge Management	2	
UHMS 2042	Development and Global Issues	2	
UHMT 2052	Guidance and Counselling	2	
UHMT 2062	Psychology of Adjustment	2	
UBSS 2072	Fundamental of Intellectual Property	2	
UBSS 2082	Law of Entrepreneur	2	
UBSS 2092	Entrepreneurship and Enterprise Development	2	
UBSS 2102	Social Entrepreneurship	2	
UHMS 2112	Engineering Communication	2	
UHMS 2122	Human Communication	2	
UHMT 2132	Professional Ethic	2	

### **Elective of Knowledge Enhancement Courses**

<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
UHII 2012	Al-Qur'an and Human Civilization	2	
UHIT 2032	Life institution and Sustainable Development	2	

UHIZ 2042	Future Study	2	
UHIT 2052	Family Law	2	
UHIZ 2062	World Science	2	
UHS 2072	Sustainable Economy	2	
UHS 2082	Practices and Concept of Halal Management	2	
UHII 2092	Philosophy of Islamic Art	2	
UHII 2102	Islam and Health	2	
UHII 2132	Islamic Entrepreneurship	2	

### Elective of Language Skills Courses

Code	Courses	Credit	Pre-req
UHLA 1112	Arabic Language	2	
UHLJ 1112	Japanese Language 1	2	
UHLK 1112	Mandarin Language 1	2	
UHLJ 1112	France Language	2	
UHLN 1112	Persian Language	2	

**Total Credits Earned: 133**

### GRADUATION CHECKLIST

To be conferred a degree, students must pass all the courses stipulated in the list below. All students are responsible for completing all subjects successfully.

No.	Code	Course	Credit Earned (JKD)	Credit Counted (JKK)	Tick (✓) If Passed
<b>Equine Management Courses</b>					
1	SEBQ 1013	Introduction to Equine Science and Industry	3	3	
2	SHPR 1952	Physical Fitness and Wellness	2	2	
3	SEBQ 1023	Introduction to Management	3	3	
4	SEBQ 1093	Basic Horse Handling	3	3	
5	SEBQ 1282	Practical Experience in Equine Farm Management I	2	2	
6	UHMS	Malaysian Dynamics (Local)			

	1172		2	2	
7	UHLM 1012	Malay Language Communication 2 (International)			
8	UHLB 1112	English Communication Skills	2	2	
9	SEBQ 1102	Sports Psychology	2	2	
10	SEBQ 1112	Foundation of Equine Performance	2	2	
11	SEBQ 1203	Equine Anatomy and Physiology	3	3	
12	SEBQ 1033	Farm and Stable Management	3	3	
13	SEBQ 1292	Practical Experience in Equine Farm Management II	2	2	
14	UHMT 1012	Graduate Success Attributes	2	2	
15	UHS 1012	Islamic and Asian Civilization (TITAS) - Local	2	2	
16	UHMS 1022	Malaysian Studies (International)			
17	SEBQ 2122	Horse Riding I: Endurance	2	2	
18	SEBQ 2213	Basic Equine Healthcare and Diseases	3	3	
19	SEBQ 2043	Commercial Equine Facilities Design and Management	3	3	
20	SEBQ 2302	Practical Experience in Equine Farm Management III	2	2	
21	UHI* 2**2	Elective of Knowledge Enhancement	2	2	
22	UHM* 2**2	Elective of Soft Skills			
23	UHLB 2122	Advanced Academic English Skills	2	2	
25	UKQ* 2**2	Co-curriculum and Service Learning	2	2	
27	SHPR 2922	Strength and Physical Condition	2	2	
28	SEBQ 2053	Equine Business Management	3	3	
29	SEBQ 2062	Principles of Risk Management	2	2	
30	SEBQ 2133	Horse Behaviour and Training	3	3	
31	SEBQ 2142	Horse Riding II: Dressage	2	2	
32	SEBQ 2223	Equine Disease Management	3	3	
33	SEBQ 2312	Practical Experience in Equine Farm Management IV	2	2	

34	UHII 2302	Sciences and Technology Thinking	2	2	
35	SEBQ 3243	Equine Nutrition	3	3	
36	SEBQ 3233	Equine Lameness and Conditioning	3	3	
37	SEBQ 3152	Horse Riding III: Jumping	2	2	
38	SEBQ 3322	Practical Experience in Equine Farm Management V	2	2	
39	SEBQ 3073	Event and Competition Management	3	3	
40	UBBS 1032	Introduction to Entrepreneurship	2	2	
41	SEBQ 3302	Research Methodology	2	2	
42	SEBQ 3183	Equestrian Motion Analysis	3	3	
43	SEBQ 3263	Equine Quarantine	3	3	
44	SEBQ 3332	Practical Experience in Equine Farm Management VI	2	2	
45	UHLB 3132	Professional Communication Skills	2	2	
46	UHL* 1112	Elective Foreigner Language	2	2	
47	SEBQ 4368	Industrial Training	8	HL	
48	SEBQ 4163	Riding Instructor Training	3	3	
49	SEBQ 4173	Equine Evaluation and Selection	3	3	
50	SEBQ 4193	Equine for Disabled	3	3	
51	SEBQ 4082	Equine Seminar	2	2	
52	SEBQ 4342	Practical Experience in Equine Farm Management VII	2	2	
53	SEBQ 4102	Undergraduate Project I	2	2	
54	SEBQ 4253	Equine Therapy and Rehabilitation	3	3	
55	SEBQ 4273	Equine Reproduction and Breeding Technologies	3	3	
56	SEBQ 4352	Practical Experience in Equine Farm Management VIII	2	2	
57	SEBQ 4114	Undergraduate Project II	4	4	
58	SEBQ	Equine Seminar	3	3	

	4083				
59	UKQT 3001	Extracurricular Experiential Learning (ExCEL)	1	1	
<b>TOTAL CREDIT TO GRADUATE</b>			<b>133</b>	<b>125</b>	

<b>Other Compulsory Courses</b>					
<b>Professional Skills Certificate (PSC) (UTMSPACE/ School)</b>					
1	GLL 1001	How to Get Your Self Employed			
2	GLL 1029	ISO 9001:2008 Quality Management System Requirement			
3	GLL 1040	Occupational Safety, Health and Environment			
4	GLL 1041	How to Manage Your Personal Finance			
<b>Test of English Communication Skill (TECS) (Language Academy, Faculty of Social Sciences and Humanities)</b>					
1	TECS 1001	Oral Interaction			
2	TECS 1002	Writing			

## **COURSE SYNOPSIS**

### **CORE COURSES**

#### **SEBQ 1013 Introduction to Equine Science and Industry**

This course in general acts as an introduction to students to get an overview of the equine sports and industry. Students will learn the economic aspect of equine as well as the different entities that define the equine industry as a whole. Students will be able to evaluate and analyse domestic equine sector in terms of its impact and economic performance.

#### **SEBQ 1033 Farm and Stable Management**

Management of a horse stable requires particular skills and knowledge. A horse is a complex animal whose psychology is vital to its adequate husbandry. The routine of farm practice is critical, so as the knowledge of different methods. The basic principles of horse care are fundamental and underpin the requirements of whichever area of the horse industry the student finds employment.

#### **SEBQ 1093 Basic Horse Handling**

This course is an introduction to the basic skills necessary for daily care and maintenance of the horse. Topics include safety, stall care, feeding regime, handling and restraint, vices, float and trailer safety. Introduction to preventive health care, deworming, vaccination programs, dental care, and podiatry are included.

#### **SEBQ 1023 Introduction to Management**

This course provides a general introduction in management to students. Students shall be able to understand the concepts, and jargons used in management as

well as relationships among the management disciplines. This course provides an overview of the management roles where the students shall appreciate the key issues associated with achieving purposeful activities within organisations.

### **SEBQ 1102 Sports Psychology**

This course prepares students with knowledge in sports psychology in relation to the equine activities. This course exposes students on psychological factors and how it affects performance of the athletes in equine sports. The students will be trained to conduct coaching instructions session using the psychological skills to improve performance of athletes.

### **SEBQ 1112 Foundation of Equine Performance**

This course is to develop the comprehension of equine performance in sports. The knowledge will enable the students to understand the theory on how to produce high performance horses for competition. This course is advanced to the previous equine courses taught.

### **SEBQ 1203 Equine Anatomy & Physiology**

This course aims for students to identify the anatomical features and structures of horses. Students will develop the ability to relate the anatomical structures function and the physiology of the horse emphasizing on the performance, and the mechanisms of energy metabolism.

### **SEBQ 2043 Commercial Equine Facilities Design and Management**

This course focuses on the various types of constructional design of commercial equine facilities. The scope of this course includes property layout, construction options, equipment, hay production, pasture management, water and waste management, zoning requirements, environmental impact, legal obligations, contracts and liabilities, of the facilities.

### **SEBQ 2053 Equine Business Management**

This course aims to provide knowledge to distinguished types of organisations and managers within the Equine sector. This course focuses on the responsibilities that are fundamental to the role of a commercial manager and the complexity of the equine market. The students will be exposed to strategic business planning to enter the market and to sustain the business within a commercial context.

### **SEBQ 2062 Principles of Risk Management**

This course aims to prepare students the knowledge in risk management for equine industry. This course exposes the students with the management principles, strategies, identifying, assessing, and managing risk anticipated to occur to various parties such as riders, staffs, horse, equipment, and facilities. Students will be able to discuss on issues related to managing risk and incidents in equine industry.

### **SEBQ 2122 Horse Riding I Endurance**

This course focuses on the knowledge and development of basic skills pertaining to Endurance riding. Students will acquire knowledge that covers the aspect of horses as well as riders on endurance riding. Students will then develop the skills required to performed endurance ride with a sound base of knowledge to reflect equine performance.

### **SEBQ 2133 Horse Behaviour and Training**

This course exposes students on understanding horse behaviour. Students will be able to identify the horse behaviour of well-being and soundness in a horse. The students will be able to understanding the innate equine behaviour and apply the behavioural training method and technic to improve undesired behavioural problems.

### **SEBQ 2142 Horse Riding II Dressage**

This course focuses on the knowledge and development of basic skills pertaining to Dressage. Students will acquire knowledge and understanding that covers the aspect of the horse and the rider on Dressage. Students will develop the skills required to be able to performed Dressage ride with a sound base of knowledge to reflect equine performance.

### **SEBQ 2213 Basic Equine Healthcare and Disease**

This course aims to equip the students with the knowledge of basic equine healthcare that covers the fundamental aspects such as physical condition of the horse, routine care, feeding and exercise. Students will learn healthcare and routine preventive management practices on horses.

### **SEBQ 2223 Equine Disease Management**

This course aims to equip the student with the knowledge of equine diseases and health management of horses. Students will be more knowledgeable and proficient at recognizing and managing some of the major health problems associated with equine. The emphasis will be on diseases preventive management and the necessary routine practices to keep the equine health and welfare.

### **SEBQ 3073 Event and Competition Management**

The main aim of this course is to enable the students to identify and evaluate the factors affecting demand for recreational facilities and special events, considering social and environmental concerns with sustainability. The processes of facility management are emphasised whilst considering the common organisational constraints. This course shall provide the students with the skills to plan, manage, deliver and evaluate an event.

### **SEBQ 3152 Horse Riding III Show Jumping**

This course focuses on the knowledge and development of basic skills in Show Jumping. Students will acquire knowledge and understanding that covers the aspect of the horse as well as the rider on the subject of Show Jumping. Students will develop the skills required to be able to perform show jumping with a sound base of knowledge to reflect equine performance.

### **SEBQ 3183 Equestrian Motion Analysis**

This course is to develop students understanding the biomechanical factors influencing the athletic horse. The students shall be able to understand the relationship between equine anatomy, movement and performance; and apply the methodologies of measuring biomechanical parameters. Students will be able to analyse and evaluate equine performance within biomechanical parameters.

### **SEBQ 3243 Equine Nutrition**

This course aims to expose students on knowledge of nutritional requirements in horses according to their workload, health, age, activities, and performance as well as the height and weight as per the calories count. The students shall be able to identify the significance of nutrient product available in the market as well as the poor ration formulation within the industry.

### **SEBQ 3233 Equine Lameness & Conditioning**

This course aims to expose the students to the principles of clinical manifestation to evaluate and interpret lameness disorders of the horses' limbs. Students will understand the use of methods commonly applied in large-animal such as radiography, and ultrasound imaging for diagnosing equine lameness. Anatomy and pathology of some areas of the musculoskeletal system are also introduced.

### **SEBQ 3263 Equine Quarantine**

This course aims to equip the student with the knowledge of equine biosecurity management including quarantine practice, which covers the legal aspect and quarantine procedures of import and export of horses in Malaysia. This course covers the horses' biosecurity management in eventing premises.

### **SEBQ 3302 Research Methodology**

This course introduces students to an informal training in handling research. Basically, this course describes the nature of educational research and also introduces the steps in the research process. The topics covers in this course include identification of research problems, ethical issues in conducting a research, the definition of research and importance of research in the field of education. This course also covers important characteristics of research mainly the research problems, questions and objectives, hypothesis testing and implementing a research, literature review, research design, sampling methods, research instruments (qualitative and quantitative), collecting and data administration, data analysis (qualitative and quantitative) including descriptive and inferential statistics. The students shall gain the necessary information to put a research report together in a correct and efficient manner.

### **SEBQ 4082 Equine Seminar**

This course will equip students with the knowledge and skills to write papers and articles related to organizing seminars of current issues in the field of equine science and management. The course contents cover the aspects of producing writing seminar papers or academic articles, poster presentation, present papers and discuss current issues in the field of equine in Malaysia and internationally.

### **SEBQ 4163 Riding Instructor Training**

This course is to expose students to an instructional role in the industry. Students will gain knowledge on the coaching perspective, how to organise, conduct, demonstrate and evaluate performance of the riders and horses. Students will be able to assess and provide solutions on riding instructions in this course.

### **SEBQ 4173 Equine Evaluation & Selection**

This course aims to provide students with knowledge on methods and criteria to evaluate and select horses for repurchase and/or presales of horses. The will be exposed to the functional anatomy, breed standards, performance, functions, and net worth of horses as valued by the industry. The students shall be able to assess the horse's market value whilst understand the pricing factors that drive the



market to decide for better purchase decision. Students will also acquire knowledge for the practical examination for pre-purchase or sales of the horse before the value on the horse could be determine.

### **SEBQ 4193 Equine for Disabled**

This course aims to provide students with the knowledge, concepts, principles and theories involved in horse riding for the disabled, which is known as hippo therapy. The students shall understand the common disabilities that can get benefit from the hippo therapy as method of treatment for people with disability such as Cerebral Palsy, Down syndrome, Brain Injury, Seizure Disorders, Autism, Autistic Spectrum Disorders, and learning disabilities.

### **SEBQ 4253 Equine Therapy and Rehabilitation**

This course provides students with the knowledge of alternative therapy and rehabilitation to cure certain musculoskeletal system problems commonly derived from post events. The students shall be able to understand the types of therapeutic and rehabilitation techniques currently practised and the application to the appropriate horses.

### **SEBQ 4273 Equine Reproduction and Breeding Technologies**

This course provides an introduction to reproduction system, breeding process, and management of mares and stallions. The students shall be able to understand oestrus cycle of a mare, spermatogenesis in a stallion, fertility and infertility, process of puberty, pregnancy diagnosis, age of foetus, stage of gestation, and care for neonates and foals.

### **SEBQ 4368 Industrial Training**

This course provides opportunities for students to experience practical training in any equine institution or industry. Students are exposed to the actual situations at work whilst learning the management and technology of the industry. The students will be assessed by their daily chores given by the industry, a written report that reflect industrial practice and field supervisors' feedback.

### **SEBQ \*\*\*2 Practical Experiences in Equine Farm Management (I-VIII)**

This course provides opportunities for students to experience practical and hands-on training in equine farm or stable management. Students have the opportunity to practice the knowledge they have learned in real-life situations apply the skills obtained in the management of the farm and stable assigned. The practical experience in equine farm management consists of eight topics that are: 1) Horse Handling 1, 2) Horse Handling II, 3) Horse Healthcare, 4) Horse Welfare, Oral Hygiene and Podiatry, 4) RDA I, 5) RDA 2, 7) Riding Instructor, 8) Horsemanship.