

# UNDERGRADUATE STUDY BACHELOR OF SCIENCE (EQUINE MANAGEMENT) WITH HONOURS

## PROGRAMME SPECIFICATIONS

The equine industry in Malaysia has expanded into many fields of sport disciplines. It requires more experts with the knowledge of equine science, sports and management. Universiti Teknologi Malaysia (UTM) has appeared to be the first higher learning institution in Malaysia and South East Asia to offer a Bachelor of Science (Equine Management) with Honours program to fulfill the equine science and sports experts requirement in the country.

The curriculum structure in this program has considered the requirements and recommendations of the stakeholders, including the Malaysian Equine Council (MEM). The curriculum covers the theories and practices of the three major fields of equine science, equine management and equine sports. The students will be developed with communication skills, ethics, professionalism, leadership, and entrepreneurship related to the equine industry.

Classroom lectures, tutorials, hands-on field practicals, group discussions, and industrial training are the teaching and learning methods. Assessments are written and oral/practical tests, individual & group assignments with presentations, and final examinations at the end of the semesters.

## General Information

1. Awarding Institution	Universiti Teknologi Malaysia
2. Teaching Institution	Universiti Teknologi Malaysia
3. Programme Name	Bachelor of Science (Equine Management) with Honours
4. Final Award	Bachelor of Science (Equine Management) with Honours
5. Programme Code	SEBQH-01
6. Professional or Statutory Body of Accreditation	Malaysian Qualification Agency
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

11. Study Duration	Minimum: 4 years Maximum: 6 years
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### Course Classification

No.	Classification	Credit Hours	Percentage
i.	University Courses		17.8 %
	a. General	12	
	b. Language	8	
	c. Co-Curriculum	3	
ii.	Programme Core Courses	70	54.2 %
iii.	Programme Elective Courses	36	28.0 %
	<b>Total</b>	<b>129</b>	<b>100 %</b>
Total Credit Hours to Graduate		129 credit hours	

### Programme Educational Objectives (PEO)

Code	Intended Educational Objectives
PEO1	Competent and have strong basic knowledge and skills in equine science, sports and management.
PEO2	Highly skilled and competitive in solving local and global equine industry problems creatively and innovatively with technology applications.
PEO3	Able to communicate effectively and work in groups by exhibiting leadership traits.
PEO4	Demonstrate professionalism among the equine industry network through ongoing involvement in local community activities.

### Programme Learning Outcomes (PLO)

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

Code	Intended Learning Outcomes
PLO1	Demonstrate comprehensive skills in equine science and management with in-depth technical and theoretical knowledge.
PLO2	Demonstrate intellectual abilities in applying knowledge in equine science and management using critical and analytical skills.
PLO3	Application of basic methods and procedures to solve a variety of complex problems related to equine science and management.
PLO4	Demonstrate the ability to collaborate with other individuals from a variety of backgrounds and fields.

<b>PLO5</b>	Communicate effectively in presenting ideas in writing and orally using a variety of coherent and structured presentation methods appropriate to the context of the audience.
<b>PLO6</b>	Application of information, media and technology to carry out learning and tasks.
<b>PLO7</b>	Utilize and combine numerical data and graphs in learning.
<b>PLO8</b>	Demonstrate responsibility and high leadership qualities in achieving a goal.
<b>PLO9</b>	Self-improvement through continuous learning and effective professional development.
<b>PLO10</b>	Demonstrate entrepreneurial skills in implementing equine related projects.
<b>PLO11</b>	Demonstrate professionalism and adhere to ethics in completing given tasks.

### **Award Requirements**

To graduate, students must:

- Attain a total of not less than 129 credit hours with a minimum CGPA of 2.0.
- Pass Industrial Training course
- Complete all Professional Skills Certificate (PSC)

### **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:

- (i) The total number of credits allowed to be taken is between twelve (12) and eighteen (18) credits only.
- (ii) The student should hold a minimum CGPA of 3.00 at the time of application.
- (iii) The student is not a resident 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.

## Course Menu

<b>YEAR 1 (SEMESTER 1)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
SEBQ 1013	Introduction to Equine Science and Industry	3	
SEBQ 1023	Introduction to Management	3	
SEBQ 1093	Basic Horse Handling	3	
SEBQ 1282	Practical Experience at Equine Farm I: Basic Horse Handling	2	
UHAS 1172	Malaysian Dynamics (Local)	2	
ULA* 1112	Elective Foreign Language (Malaysian)	2	
ULAM 2112	Malay Language Communication (International)		
UHLB 1112	English Communication Skills		
<b>TOTAL CREDIT HOURS</b>		<b>17</b>	

<b>YEAR 1 (SEMESTER 2)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
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 at Equine Farm II: Basic Riding Skills	2	
UICI 1012	Islamic and Asian Civilization (TITAS) – Local	2	
UHMT 1022	Malaysian Studies (international)		
UHAK 1012	Graduate Success Attribute	2	
<b>TOTAL CREDIT HOURS</b>		<b>16</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 1292
SEBQ 2213	Basic Equine Healthcare Management	3	
SEBQ 2043	Commercial Equine Facilities Design and Management	3	
SEBQ 2302	Practical Experience at Equine Farm III : Managing Horse Healthcare	2	
UHLB 2122	Advanced Academic English Skills	2	
UKQ*2**2	Co-curriculum and Service Learning	2	
U*** 2**2	Innovation & Creativity Cluster (Choose 1 from several electives)	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 Behaviors and Training	3	
SEBQ 2142	Horse Riding II: Dressage	2	
SEBQ 2223	Equine Disease Management	3	
SEBQ 2312	Practical Experience at Equine Farm IV:(Horse Husbandry Practices)	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 4482
SEBQ 3233	Equine Lameness and Conditioning	3	
SEBQ 3152	Horse Riding III: Jumping	2	
SEBQ 3302	Research Methodology	2	
SEBQ 3322	Practical Experience at Equine Farm V: Riding for Disable (Volunteer Helper)	2	
UBBS 1032	Introduction to Entrepreneurship	2	
<b>TOTAL CREDIT HOURS</b>		<b>14</b>	

<b>YEAR 3 (SEMESTER 2)</b>			
<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
SEBQ 3073	Event and Competition Management	3	
SEBQ 3183	Equestrian Motion Analysis	3	
SEBQ 3263	Equine Biosecurity (Equine Quarantine)	3	
SEBQ 3332	Practical Experience at Equine Farm VI: Riding for Disable (Senior Helper Level)	2	
UHLB 3132	Professional Communication Skills (pre-req UHLB 2122)	2	
<b>TOTAL CREDIT HOURS</b>		<b>13</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 4082	Equine Seminar	2	
SEBQ 4102	Undergraduate Project 1	2	
SEBQ 4163	Riding Instructor Training	3	
SEBQ 4173	Equine Evaluation and Selection	3	
SEBQ 4193	Equine for Disabled	3	
SEBQ 4342	Practical Experience at Equine Farm VII: Riding Instructor	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 at Equine Farm VIII: Horsemanship	2	
SEBQ 4114	Undergraduate Project 2	4	
UKQE 3001	Extracurricular Experiential Learning (ExCEL)	1	
<b>TOTAL CREDIT HOURS</b>		<b>13</b>	

#### **Elective Courses**

<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
SEBQ 1023	Introduction to Management	3	
SEBQ 1102	Sport Psychology	2	
SEBQ 1122	Foundation of Equine Performance	2	
SEBQ 1292	Practical Experience at Equine Farm II – Advance Horse Handling	2	
SEBQ 3302	Research Methodology	2	
SEBQ 2053	Equine Business Management	3	
SEBQ 2062	Principle of Risk Management	2	
SEBQ 2223	Equine Disease Management	3	
SEBQ 2312	Practical Experience at Equine Farm IV – Horse Welfare, Hygiene & Podiatry.	2	
SEBQ 3073	Event and Competition Management	3	
SEBQ 3332	Practical Experience at Equine Farm IV – Horse Welfare, Hygiene & Podiatry.	2	
SEBQ 4082	Equine Seminar	2	
SEBQ 4163	Rider Instructor Training	3	
SEBQ 4173	Equine Evaluation & Selection	3	
SEBQ 4342	Practical Experience at Equine Farm VII – Riding Instructor Training	2	

- All elective courses are compulsory.

**Elective of Language Skills Courses**

<b>Code</b>	<b>Courses</b>	<b>Credit</b>	<b>Pre-req</b>
UHLA 1112	Arabic Language	2	
UHLJ 1112	Japanese Language 1	2	
UHLC 1112	Mandarin Language 1	2	
UHLJ 1112	France Language	2	
UHLN 1112	Persian Language	2	

**Total Credits Earned: 129**

## GRADUATION CHECKLIST

To graduate, students must pass all the stated courses in this checklist. It is the responsibility of the students to ensure that all courses are taken and passed. Students who do not complete any of the courses will not be conferred a degree.

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	SEBQ 1023	Introduction to Management	3	3	
3	SEBQ 1093	Basic Horse Handling	3	3	
4	SEBQ 1282	Practical Experience at Equine Farm I: Basic Horse Handling	2	2	
5	SEBQ 1102	Sport Psychology	2	2	
6	SEBQ 1112	Foundation of Equine Performance	2	2	
7	SEBQ 1203	Equine Anatomy and Physiology	3	3	
8	SEBQ 1033	Farm and Stable Management	3	3	
9	SEBQ 1292	Practical Experience at Equine Farm II: Basic Riding Skills	2	2	
10	SEBQ 2122	Horse Riding I: Endurance	2	2	
11	SEBQ 2213	Basic Equine Healthcare Management	3	3	
12	SEBQ 2043	Commercial Equine Facilities Design and Management	3	3	
13	SEBQ 2302	Practical Experience at Equine Farm III : Managing Horse Healthcare	2	2	
14	SEBQ 2053	Equine Business Management	3	3	
15	SEBQ 2062	Principles of Risk Management	2	2	
16	SEBQ 2133	Horse Behaviors and Training	3	3	
17	SEBQ 2142	Horse Riding II: Dressage	2	2	
18	SEBQ 2223	Equine Disease Management	3	3	



19	SEBQ 2312	Practical Experience at Equine Farm IV: Horses' Husbandry Practices	2	2	
20	SEBQ 3243	Equine Nutrition	3	3	
21	SEBQ 3233	Equine Lameness and Conditioning	3	3	
22	SEBQ 3152	Horse Riding III: Jumping	2	2	
23	SEBQ 3322	Practical Experience V: Riding for Disable (Volunteer Helper Level)	2	2	
24	SEBQ 3073	Event and Competition Management	3	3	
25	SEBQ 3183	Equestrian Motion Analysis	3	3	
26	SEBQ 3263	Equine Biosecurity	3	3	
27	SEBQ 3332	Practical Experience VI: Riding for Disable (Senior Helper Level)	2	2	
28	SEBQ 3132	Professional Communication Skills (pre-req UHLB 2122)	2	2	
29	SEBQ 4168	Industrial Training	8	8	
30	SEBQ 4082	Equine Seminar	2	2	
31	SEBQ 4102	Undergraduate Project 1	2	2	
32	SEBQ 4163	Riding Instructor	3	3	
33	SEBQ 4173	Equine Evaluation and Selection	3	3	
34	SEBQ 4193	Equine for Disabled	3	3	
35	SEBQ 4342	Practical Experience VII: Riding Instructor	2	2	
36	SEBQ 4253	Equine Therapy and Rehabilitation	3	3	
37	SEBQ 4273	Equine Reproduction and Breeding Technologies	3	3	
38	SEBQ 4352	Practical Experience VIII: Horsemanship	2	2	
39	SEBQ 4114	Undergraduate Project 2	4	4	
40	SEBQ 3302	Research Methodology	2	2	
		<b>TOTAL CREDIT OF EQUINE MANAGEMENT COURSES (a)</b>	<b>108</b>	<b>108</b>	

<b>UNIVERSITY GENERAL COURSES</b>					
<b>Cluster 1: Appreciation of Philosophy, Value and History (Faculty of Social Sciences and Humanities)</b>					
1	UHAS 1172	Malaysian Dynamics (Local)	2	2	
2	UICI 1012	Islamic and Asian Civilization (TITAS)	2	2	
	UHAK 1022	Malaysian Studies (international)			
<b>Cluster 2: Generic Skills</b>					
1	UHMT 1012	Graduate Success Attribute	2	2	
2	U*** 2**2	Innovation & Creativity Cluster	2	2	
<b>Cluster 3: Knowledge Enhancement</b>					
1	UHIT 2302	Sciences and Technology Thinking	2	2	
<b>Cluster 4: Co-Curriculum and Service Learning</b>					
1	UKQ* 2**2	Co-curriculum and Service Learning	2	2	
2	UKQT 3001	Extracurricular Experiential Learning (ExCEL)	1	1	
<b>Cluster 5: Language Skills (Language Academy, Faculty of Social Sciences and Humanities)</b>					
1	ULA* 1112	Elective Foreign Language (Malaysian)	2	2	
	ULAM 2112	Malay Language Communication (International)			
2	UHLB 1112	English Communication Skills	2	2	
3	UHLB 2122	Advanced Academic English Skills	2	2	
<b>Cluster 6: Entrepreneurial Skills</b>					
1	UBBS 1032	Introduction to Entrepreneurship	2	2	
		<b>TOTAL CREDIT of UNIVERSITY GENERAL COURSES (b)</b>	<b>21</b>	<b>21</b>	
		<b>TOTAL CREDIT TO GRADUATE (a + b)</b>	<b>129</b>	<b>129</b>	

<b>OTHER COMPULSORY COURSES – PROFESSIONAL SKILLS CERTIFICATE (PSC)</b>			
<b>Students are required to enrol and pass FIVE (5) PSC courses, to be eligible to graduate. Enrol the PSC courses as follows:</b>			
<b>COMPULSORY PSC COURSES (Enrol All 3 Courses)</b>			
1	GLRB0010	Design Thinking for Entrepreneur	
2	GLRM0010	Talent and Competency Management	
3	GLRL0010	English Communication Skills for Graduating Students (ECS)	
<b>ELECTIVE PSC COURSES (Choose Any 2 Courses only)</b>			
1	GLRT0010	Data Analytics for Organization	
2	GLRM0020	Professional Ethics and Integrity	
3	GLRT0020	Construction Measurement (Mechanical & Electrical)	
4	GLRT0030	OSHE for Engineering Industry and Laboratory	
5	GLRT0040	OSHE for Construction Industry and Laboratory Works	
6	GLRT0050	Quality Management for Build Environment and Engineering Professionals	
7	GLRT0060	Safety and Health Officer Introductory Course	
8	GLRT0070	Industrial Machinery and Lubrication	
Or any other elective PSC courses offered by UTM iLeague. Information on PSC Courses: <a href="https://ileague.utm.my/utm-professional-skills-certificate-utm-psc/">https://ileague.utm.my/utm-professional-skills-certificate-utm-psc/</a> Online PSC Registration: <a href="https://elearnpsc.utmspace.edu.my/">https://elearnpsc.utmspace.edu.my/</a>			

## **COURSE SYNOPSIS**

### **CORE COURSES**

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

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

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

This course is a continuation from SEBQ 1093 (Basic Horse Handling – Part 1) where the student will be introduced to the fundamental knowledge and skills necessary for daily care and maintenance of the horse. Topics include horse conformation, horse stable design, grassland management, horse feeding & watering, rug & blankets, clipping & trimming, manure & pest management, risk assessment & management, lunging, specialist care of the competition horse, and transporting a horse

#### **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, and basic nutrition, handling and restraint, equine emergencies and first aid, bandaging, basic medications, and trailer safety. Preventative health care, deworming and vaccination programs, and dental and farrier care are also introduced.

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

This course aims to build the knowledge and understanding of the mechanisms of energy metabolism and means of monitoring performance. This module also aims to understand and clearly define the anatomical features of the horse and develop the ability to identify the anatomy of the musculoskeletal system. The student will develop the ability to identify anatomical features and relate their structure to function. An in-depth understanding of equine physiology is vital when training horses to a high level whilst minimizing the risk of injury.

#### **SEBQ 1282 - Practical Experience I: Basic Horse Handling**

This course gives students the experience to apply the knowledge and skills necessary for basic horse handling such as the daily care and maintenance of the horse. Topics include the classification, identification, and confirmation of horses, activities related to the stable yard, grooming. In addition, this course also gave opportunities to students handling and leading the horses, etc.

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

This course focuses on the various types of constructional design of commercial equine facilities. The students will be applying the knowledge about the property layout, construction options, equipment, hay production, pasture management, water and waste management, zoning requirements, environmental impact, legal obligations, and liabilities of the facilities.

**SEBQ 2122 - Horse Riding 1 Endurance**

The course focuses on the knowledge and development of basic skills in Endurance riding. Students will acquire knowledge and understanding which covers the aspect of the horse as well as the rider on the subject of Endurance riding. Students will develop the skills required to be able to conduct Endurance with a sound base of knowledge to reflect equine performance.

**SEBQ 2133 - Horse Behaviour and Training**

This aims to equip the students with the knowledge of basic horse behaviour and the factors that influence and motivate horses for agility and during training. Students will learn the communication and social behaviour of horses and how stress and genetic factors implicate behavioural problems in horses.

**SEBQ 2142 - Horse Riding 2: Dressage**

This course focuses on the knowledge and development of basic skills about Dressage (up to Novice level). Students will acquire knowledge and understanding which covers the aspect of the horse as well as the rider on the subject of Dressage (up to Novice level). Students will develop the skills required to be able to conduct Dressage with a sound base of knowledge to reflect equine performance (up to Novice level).

**SEBQ 2213 - Equine Healthcare Management**

This course provides students with the knowledge of basic equine health care that covers the fundamental aspects and assessment of the physical condition of the horse, routine care, feeding and exercise. Students will learn the routine health care, disease prevention management practices on horses which will contribute to equine health fitness and welfare.

**SEBQ 2302 - Practical Experience III: Managing Horse Healthcare at Farm**

This course aims to equip the students with the knowledge of basic equine healthcare that covers the fundamental aspects such as routine health examination, monitoring physical condition, schedule maintenance and care including feeding, welfare and exercise. Students will learn healthcare and routine preventive management practices on horses at farm. At the end of this course the students are able to conduct physical examinations on horses to determine the horse's health status and understand the need for good health management on horses at the farm.

**SEBQ 3152 - Horse Riding 3: Jumping**

This course focuses on the development of knowledge and basic skills about Show Jumping horse riding. Students will acquire knowledge and understanding which covers the aspect of the horse as well as the rider on the subject of the Show Jumping event. Students will develop the skills required to be able to conduct a Show Jumping event based on knowledge acquired which includes the preparation of obstacles, course design, and judging points. This course in general acts as an introduction to the student to get an overview of the equestrian discipline of Show Jumping.

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

This course is to develop students' understanding of biomechanical factors influencing the athletic horse. The specific aims are to understand the relationship between equine anatomy, movement, and performance; and to develop understanding and practical skills in the methodologies for measuring biomechanical parameters. Students also will be able to analyze to evaluate equine performance within biomechanical parameters.

### **SEBQ 3233 - Equine Lameness and Conditioning**

This course aims to expose the students with the principles of the evaluation and interpretation of lameness disorders of the fore-and hind limbs of horses at farm. The students will be taught on how to access the grade of lameness on the field. Understanding the predispose factors to the common lameness will be discuss other than a basic method of cleaning wound of injuries for lameness treatment in this course.

### **SEBQ 3243 - Equine Nutrition**

The course aims are to build on knowledge gained within the horse management, to understand equine digestive anatomy and physiology and feeding management practice for maintenance, breeding, growth, performance and health. To develop knowledge of nutritional requirements in a wide variety of horses, feed evaluation and diet composition, to be able to formulate ration for horses based on the requirements and the environmental management of arable crops.

### **SEBQ 3263 - Equine Biosecurity**

This course provides an understanding of the importance of biosecurity in effectively preventing and controlling the spread of disease at the horse premises. This course also aims to equip the student with the knowledge of equine quarantine for disease control at a farm and legal requirements on horse importation in Malaysia. The topics will cover the scope of biosecurity management at farms and facilities which contribute to equine healthcare and welfare.

### **SEBQ 3322 - Practical Experience V : Riding for Disabled (Volunteer Helper)**

This course opens the opportunity for students to experience practical training in horseback therapy for the disabled. Students will practice the knowledge acquired in real-life situations and at the same time attain skills to handle and manage as volunteer helpers for the disabled during riding sessions. End of this subject students can get the Volunteer helper certification from RDA Malaysia.

### **SEBQ 4102 - Undergraduate Project 1**

The aim of the Undergraduate Project 1 is to allow students to apply the knowledge they have gained to solve practical equine-related problems. In the project, students will gain knowledge and experience in solving equine-related problems systematically to be ready for a working environment. The student will develop the project proposal. This course will progress to SEBQ 4114. Students must prepare a proposal and present it in a mini seminar at the end of the semester.

### **SEBQ 4114 - Undergraduate Project 2**

The Undergraduate Project aims to allow students to apply the knowledge they have gained while undergoing this program to solve practical equine-related problems. Students will gain knowledge and experience in solving complex equine-related problems systematically to be ready for the working environment. This course is a continuation of SEBQ 4102. Students must submit a hardbound thesis and present their project in a mini seminar at the end of the semester.

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

This course aims to provide a student with the knowledge, concepts, principles, and theories involved in equine for the disabled. Several common disabilities can benefit from equine treatment such as Cerebral Palsy, Down syndrome, Brain Injury, Seizure Disorders, Autism, Autistic Spectrum Disorders, learning disabilities. Students will be exposed to practice the knowledge learned in real-life situations handling those with disabilities (RDA) in the activities.

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

This course provides an understanding of alternative therapy for rehabilitation of musculoskeletal injury commonly experienced by working horses in the field. The therapeutic methods discussed in this subject are those non-veterinary medicine approaches and can be practiced by the therapist. The scope of this course covers the therapeutic and rehabilitation techniques currently practiced in the market.

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

The course aims to develop the understanding of reproduction functional physiology in horses. The student shall be able to identify oestrus behavior among mares and stallions and stages of pregnancy in mares. The student will be exposed to the principles of breeding management and care for the pregnant mares and stud stallions.

### **SEBQ 4352 - Practical Experience VIII: Horsemanship**

This course provides opportunities for students to experience practical training in equine farms or stable management. Students have the opportunity to practice the knowledge they have learned in real-life situations and at the same time learn more about the knowledge, skills, management of the farm, and the stable. In addition to providing a record of daily work in the industry, at the end of the course, students should prepare a written report and reflect on the industries that have been implemented.

### **SEBQ 4368 - Industrial Training**

The course is open to opportunities for students to experience practical training in any institution or industry related to the field of equine. Students have the opportunity to practice the knowledge they have learned in real-life situations and at the same time learn more about the knowledge, skills, management, and technology of the industry. In addition to providing a record of daily work in the industry, at the end of the course, students should prepare a written report and reflect on the training industries that have been implemented.

## **ELECTIVE COURSES**

### **Elective Courses**

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

The aim of this course is to provide a general introduction in management to students whose field of study is not management, but whose careers are likely to have a significant managerial component. Students will be able to understand the concepts and language of management and to be aware of the relationships among all management disciplines. This course aims to provide you with an overview of the role of management thereby giving you an appreciation of the key issues associated with achieving purposeful activity within organizations.

#### **SEBQ 1102 - Sport Psychology**

This course aims to prepare students with the knowledge in sports psychology in relation to the equine industry. This course exposes the students on how psychological factors affect performance and how participation in equine sports and exercise affect psychological and physical factors. In addition, students are also able to discuss the instruction and training of psychological skills for performance improvement when applied or working with athletes, coaches, and parents regarding injury, rehabilitation, communication, team building, and career transitions.

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

The aim of this course is to further previous knowledge gained in other courses and recognize the qualities needed in a competition horse. This course also aims to develop an understanding on the foundation of equine performance in order to produce and sustain performance horses at a competitive level

#### **SEBQ 1292 - Practical Experience at Equine Farm II – Advance Horse Handling**

This course gives students to experience and apply the knowledge and skills necessary for daily care and maintenance of the horse. Topics include horse conformation, horse stable design, grassland management, horse feeding & watering, rug & blankets, clipping & trimming, manure & pest management, risk assessment & management, lunging, specialist care of the competition horse and transporting a horse.

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

This course aims to address the types of organization that require commercial managers within the Equine sector and the responsibilities that are fundamental to the role of a commercial manager. The course addresses the complexity of the equine market and the influence this will have on the strategic aims of a business or the entry to market of new business. The course also addresses the relevance of sustainability within a commercial context.

#### **SEBQ 2062 - Principle of Risk Management**



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

### **SEBQ 2223 - Equine Diseases Management**

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

### **SEBQ 2312 - Practical Experience IV: Horse Husbandry Practices**

The course aims to equip the students with the knowledge of basic horse husbandry management at farm that covers the fundamental aspects of good farm management practice, welfare, routine horse dental care, feeding, exercise and farriery. Upon completion of this course the students will be able to understand and perform good horse husbandry practices.

### **SEBQ 3302 - Research Methodology**

This course introduces undergraduate students in education as an informal training in handling research. Basically, this course describes the nature of educational research and also introduces the steps in the research process. Relevant topics 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. This course also provides students with necessary information and suggestions on how to put a research report together in a correct and efficient manner.

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

The main aim of this course is to enable students to acquire general knowledge about event and competition management and to become familiar with management techniques and strategies required for the successful planning, promotion, implementation, and evaluation of special events with a special focus on case studies of equine-related events. This course requires students to organize an event (of no specific nature) as well as a competition since students must be given hands-on experience of organizing an event firsthand.

### **SEBQ 3332 - Practical Experience VI : Riding for Disabled (Senior Helper)**

This course is to develop skills among the students on practical training in horseback therapy for the disabled. Students have the opportunity to practice the knowledge gained in real-life situations while acquiring the skills to handle and manage the therapy as senior helpers for

the disabled during riding sessions. End of this subject students can get the senior helper certification from RDA Malaysia

**SEBQ 4082 - Equine Seminar**

This course will equip students with the knowledge and skills to write articles related to organizing seminars on current issues in the field of equine science and equine 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 designed to aid the students who wish to take an instructional role in the industry. Students will gain knowledge on the coaching perspective, how to organize, conduct, demonstrate and evaluate the performance of the rider and the horse. Students will be able to do an assessment and provide solutions during their class lessons.

**SEBQ 4173 - Equine Evaluation and Selection**

This course aims to provide students with knowledge from the functional aspect of performance and anatomy, breed standards in the equine industry, components of judging various breeds, judging various disciplines. It also provides an ability for students to assessing equines market value such as understanding the market value, factors drives a horse's price, various horse price-ranges, better purchase decision

**SEBQ 4342 - Practical Experience VII : Riding Instructor Training**

This course will assist the students who wish to take an instructional/coaching role in the equine industry. Students will gain knowledge on the coaching perspective in terms of how to organize, conduct, demonstrate and evaluate the performance of the rider.