



B.SC. IN EQUINE MANAGEMENT

FACULTY OF BIOSCIENCES AND MEDICAL ENGINEERING (FBME)



BACHELOR OF SCIENCE (EQUINE MANAGEMENT)

FACULTY OF BIOSCIENCES AND MEDICAL ENGINEERING (FBME)

Program Features

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 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 (MEC). The curriculum will mainly cover the basic theory 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.

Programme Objectives

The objectives of this programme are to produce professionals who are:

- Skilled and competent in equine science and equine management globally and are able to contribute to the development of the country's equine industry.
- Highly capable in project management specifically related to the equine industry and practice.
- Prominent leaders or members of equine teams while being creative, innovative, and are able to adapt to the equine industry.
- Socially responsible while being involved with the equine community and contribute to the growth of the industry with high ethical value.

Programme Learning Outcomes

The expected programme learning outcomes are:

- Ability to understand and apply knowledge of equine science and equine management.
- Ability to analyse and manage resources related to the field of equine.
- Ability to solve problems creatively using knowledge and technical skills in equine science and equine management.
- Ability to communicate effectively in both written and verbal communication.
- Ability to think creatively and critically in solving problems related to equine field.
- Demonstrate confidence to act effectively in a team.
- Demonstrate ability to practice lifelong learning.
- Demonstrate entrepreneurship skills.
- Demonstrate leadership skills.
- Demonstrate professionalism and good ethics.

Programme Structure

For the award of Bachelor of Science (Equine Management), students should achieve a total minimum of 126 credit hours with minimum CPA of 2.00. Allocations of total credits according to category subjects are as follow:

Table 9.1: Programme structure of Bachelor of Science (Equine Management)

Classification of Courses	Credits
General University Course	20
Programme Core Course	70
Programme Elective Course	36
Total Credits	126

Industrial Experience/Training

Students are given the opportunities to experience practical training in any institutions, government agencies, industry players or any equine establishments which is related to the field of equine. This placement allow the students to apply their knowledge and skills in the workplace as well as to gain new experiences in working environment.

Duration of Study

4 years (Full-time)

Career Prospects and Career Paths

In general, the total number of horses in Malaysia is approximately 10,000 according to the 17th Malaysia Equine Council Annual General Meeting in 2009. There are approximately 150 registered clubs, associations, and organisations involved in the equine industry and this involves an estimated number of 5,000 personnel. From this total, 20% (1,000 personnel) are estimated to be needed in management and administration for the equine industry. This is the main area for the placement of equine management graduates.

Graduates may get employment in various fields of equine which include entrepreneur and business entities, services and support (suppliers), recreation and clubs, as well as coaching and training for high performance.

Graduates may also get the chance to be employed as Youth and Sports Officer (S41) under Jabatan Perkhidmatan Awam scheme.

Curriculum

The curriculum is designed with a specific subjects being delivered and assessed in each semester. Assessment is based on coursework, skill assessment, final examination and final year project thesis. The courses are categorized as university general courses, programme core courses and programme elective courses such as the followings:

Table 9.2: Curriculum of Bachelor of Science (Equine Management)

YEAR 1 (SEMESTER 1)			
Code	Courses	Credit	Pre-Req
SMBQ 1013	Introduction to Equine Science and Industry	3	
SMBQ 1023	Introduction to Management	3	
SMBQ 1093	Basic Horse Handling	3	
SMBQ 1282	Practical Experience in Equine Farm Management I	2	
UHAS 1172	Malaysian Dynamics (Malaysian Students)	2	
UHAS 1162	Arts, Customs and Beliefs of Malaysian (International Students)	2	
ULAB 1122	English for Academic Communication	2	
UICI 1012	Islamic and Asian Civilization	2	
TOTAL CREDIT HOURS		17	

YEAR 1 (SEMESTER 2)			
Code	Courses	Credit	Pre-Req
SMBQ 1102	Sports Psychology	2	
SMBQ 1112	Foundation of Equine Performance	2	
SMBQ 1203	Equine Anatomy and Physiology	3	
SMBQ 1033	Farm and Stable Management	3	
SMBQ 1292	Practical Experience in Equine Farm Management II	2	
UKQ* 1**1	Co-Curriculum 1	1	
U*** 2**2	Individual, Community Development & Globalisation Cluster (Malaysian Students)	2	
ULAM 1112	Bahasa Melayu Untuk Komunikasi (International Students)		
TOTAL CREDIT HOURS		15	

YEAR 2 (SEMESTER 1)			
Code	Courses	Credit	Pre-Req
SMBQ 2122	Horse Riding I: Endurance	2	
SMBQ 2213	Basic Equine Healthcare and Diseases	3	
SMBQ 2043	Commercial Equine Facilities Design and Management	3	
SMBQ 2302	Practical Experience in Equine Farm Management III	2	
UICI 2022	Science, Technology, and Mankind	2	
ULAB 2112	Advanced English for Academic Communication	2	
TOTAL CREDIT HOURS		14	

YEAR 2 (SEMESTER 2)			
Code	Courses	Credit	Pre-Req
SMBQ 2053	Equine Business Management	2	
SMBQ 2063	Principles of Risk Management	3	
SMBQ 2133	Horse Behaviour and Training	2	
SMBQ 2142	Horse Riding II: Dressage	3	
SMBQ 2223	Equine Disease Management	3	
SMBQ 2312	Practical Experience in Equine Farm Management IV	2	
TOTAL CREDIT HOURS		15	

YEAR 3 (SEMESTER 1)			
Code	Courses	Credit	Pre-Req
SMBQ 3243	Equine Nutrition	3	
SMBQ 3233	Equine Lameness and Conditioning	3	
SMBQ 3152	Horse Riding III: Jumping	2	
SMBQ 3322	Practical Experience in Equine Farm Management V	2	
ULAB 3**2	English Elective	2	
UHAS 2122	Innovation & Creativity Cluster	2	
TOTAL CREDIT HOURS		14	

YEAR 3 (SEMESTER 2)			
Code	Courses	Credit	Pre-Req
SMBQ 3302	Research Methodology	2	
SMBQ 3073	Event and Competition Management	3	
SMBQ 3183	Equestrian Motion Analysis	3	
SMBQ 3263	Equine Quarantine	3	
SMBQ 3332	Practical Experience in Equine Farm Management VI	2	
UKQ* 1**1	Co-Curriculum II	1	
UHAS 3012	Entrepreneurship and Enterprise Development	2	
TOTAL CREDIT HOURS		16	

SHORT SEMESTER			
Code	Courses	Credit	Pre-Req
SMBQ 4368	Industrial Training	8	
TOTAL CREDIT HOURS		8	

YEAR 4 (SEMESTER 1)			
Code	Courses	Credit	Pre-Req
SMBQ 4163	Rider Instructor Training	3	
SMBQ 4173	Equine Evaluation and Selection	3	
SMBQ 4192	Equine for Disabled	2	
SMBQ 4253	Equine Therapy and Rehabilitation	3	
SMBQ 4342	Practical Experience in Equine Farm Management VII	2	
SMBQ 4102	Undergraduate Project I	2	
TOTAL CREDIT HOURS		15	

YEAR 4 (SEMESTER 2)			
Code	Courses	Credit	Pre-Req
SMBQ 4083	Equine Seminar	3	
SMBQ 4273	Equine Reproduction and Breeding Technologies	3	
SMBQ 4352	Practical Experience in Equine Farm Management VIII	2	
SMBQ 4114	Undergraduate Project II	4	
TOTAL CREDIT HOURS		12	

Total Credit Earned: 126