



UNIVERSITI TEKNOLOGI MARA

BCT400: PRACTICUM

Course Name (English)	PRACTICUM APPROVED
Course Code	BCT400
MQF Credit	1
Course Description	This is an outdoor education course where students will have opportunity to participate in backpacking trip in wilderness areas in the country. Students will spend the duration of seven days lead by two lecturers. This course introduces students with an informative sketch of forestry, forests, and forestry tasks of the country. Lectures and discussions on classification, nomenclature, and identification of the principal forest trees, their geographical distribution, ecological requirements, and economic importance. Includes field identification of native trees and commonly planted exotics species. The course involves a study of the nature of forests and forest trees, how they grow, reproduce, and their relationships to the physical and biological environment. It also discusses on woody plant form and function, wood properties, general physiology and forest biomes of the country. In addition, this course covers on the study of forest plant species and their successful status and habitat requirements with respect to landform, soil type, and other appropriate aspects of site classification. Finally, this course introduces the measurements of land, individual trees, forest stands, forest products, and the application of mensurational techniques to the statistical and physical design of forest sampling methods, including measurement techniques of non-timber components of forest resources
Transferable Skills	Students are educate on surviving independently and participate in backpacking trip in wilderness areas in the country.
Teaching Methodologies	Field Trip
CLO	<p>CLO1 Discuss an informative sketch of forestry, wildlife biology, and natural resources; education and career opportunities in Bio-Composite program.</p> <p>CLO2 Describe and discuss the classification, nomenclature, and identification of the principal forest trees of Malaysia, their geographical distribution, ecological requirements, and economic importance.</p> <p>CLO3 Demonstrate an understanding on field identification of native trees and commonly planted exotics tree species</p> <p>CLO4 Discuss the nature of forests and forest trees, how they grow, reproduce, and their relationships to the physical and biological environment</p> <p>CLO5 Assess and discuss on forest plant species and their successful status and habitat requirements with respect to landform, soil type, and other appropriate aspects of site classification.</p> <p>CLO6 Demonstrate experiments on the measurements of land, individual trees, forest stands, forest products, and the application of mensurational techniques to the statistical and physical design of forest sampling methods, including measurement techniques of non-timber components of forest resources</p>
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. Introduction to the course 1.1) n/a	
2. 2. Informative sketch of forestry, wildlife biology, and natural resou 2.1) n/a	
3. 3. Classification, nomenclature, and identification of the principal f 3.1) n/a	

4. 4. Field identification of native trees and commonly planted exotics t 4.1) n/a
5. 5. Nature of forests and forest trees, how they grow, reproduce, and t 5.1) n/a
6. 6. Habitat requirements with respect to landform, soil type, and other 6.1) n/a
7. 7. Measurements of individual trees, forest stands, forest products. 7.1) n/a
8. 8. Application of mensurational techniques to the statistical and phys 8.1) n/a

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	n/a	30%	CLO1 , CLO2 , CLO3 , CLO4 , CLO5 , CLO6
	Presentation	Dialogues	30%	CLO1 , CLO2 , CLO3 , CLO4 , CLO5 , CLO6
	Written Report	Field exercise reports	40%	CLO1 , CLO2 , CLO3 , CLO4 , CLO5 , CLO6

Reading List	Recommended Text
	<ul style="list-style-type: none"> • Husch, B., T.W. Beers, and J.A. Kersaw 2003, <i>Forest Mensuration</i>, John Wiley and Sons • Wenger, K.F. 1994, <i>Forestry Handbook</i> • Wyatt-Smith, J. and K. M. Kochummen 1999, <i>Pocket Check List of Timber Trees</i> • Symington, C.F 2004, <i>Foresters' Manual of Dipterocarps</i>

Article/Paper List	This Course does not have any article/paper resources
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Other References	This Course does not have any other resources
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