

COURSE OUTLINE

Department & Faculty: Dept. of Civil Engineering, Center Of Diploma Study, SPACE	Page : 1 of 5
Course Code: Land Information and Land Tenure (DDPL1723) Total Lecture Hours: 70 Hours	Semester: II Academic Session: 2012/2013

Lecturer :
Room No. :
Telephone No. :
E-mail :
Synopsis : This course introduces the structure of the land administration of Malaysia and describes every department's responsibilities under its administration. It focuses on the title record system kept at the Registrar and Land Office, registration of title, different types of land categories and land alienation. It also introduces the basic operation of surveying works which includes the measurement of angles, bearings and distances, traverse and heights, and the various computational aspects and problem solving commonly found in engineering surveys. It also shows the various types of survey plans and maps used.

LEARNING OUTCOMES

By the end of the course, students should be able to:

No.	Course Learning Outcome	Programme Learning Outcome(s) Addressed	Taxonomy Level and Generic Skills	Assessment Methods
1.	Explain various surveying operation and their uses.	PO1	C2	As, P, T
2.	Apply the knowledge in land administration and explain the responsibilities of every department under the land administration structure.	PO1	C3	As, F
3.	Differentiate the different types of land categories and land alienation according to the NLC 1965.	PO1	C4	As, T, F
4.	Present clearly with confident using computer technology and prepare a good project report during the end of the project.	PO4	P3 CS1, CS3, CS4	As, P, Pr
5.	Work collaboratively and communicate effectively in a team in carrying out surveying works.	PO5	A3 TS1, TS3	P, PA

As-Assignment
 T – Test, P – Project
 PA – Peer
 Assessment
 Pr–Presentation
 F – Final

Prepared by: Name: Signature: Date:	Certified by: (Course Panel Head) Name: Signature: Date:
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STUDENT LEARNING TIME

No.	Teaching and Learning Activities.	Student Learning Time (hours)
A.	Face-to-Face Learning	
	a. Lecturer-Centered Learning	
	i. Lecture	28
b.	Student-Centered Learning	
	i. Field Work	42
	ii. Student-Centered Learning activities	
B.	Self-Directed Learning	
	a. Non Face-to-Face or Non Student-Centered Learning (SDL) such manual, assignment, module, e-learning, project	18.5
	b. Revision	20
	c. Assessment Preparations	7
C.	Formal Assessment	
	a. Continuous Assessment	2
	b. Final Exam	2.5
Total (SLT)		120

TEACHING METHODOLOGY

Lecture and Discussion, Co-operative Learning, Independent Study, Group Project

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WEEKLY SCHEDULE

- Week 1** : **1.0 Introduction to Surveying**
- Definition
 - Survey branches
 - Survey classification
 - Role of JUPEM
 - Survey regulation
- Week 2** : **2.0 Basic surveying observation and measurement**
- Basic measurement
 - Survey principle
 - Field Work
 - Coordinate system
 - Concept of errors in measurement
- Weeks 3-4** : **3.0 Traverse surveying**
- Introduction
 - Types of traverse
 - Classification of traverse
 - Survey instrument
 - Traverse measurement
 - Traverse computation
 - Sources of errors
- Weeks 5-6** : **4.0 Leveling**
- Introduction
 - Types and uses of leveling
 - Basic concept of leveling
 - Leveling datum
 - Leveling mark
 - Leveling instruments
 - Method of leveling work.
 - Leveling booking and computation
 - Permissible error
 - Sources of errors
- Week 7** : **5.0 Contour surveying**
- Introduction
 - Methods of contouring
- Weeks 8** : **SEMESTER BREAK**

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- Weeks 9** : **6.0 Contour Surveying**
- Contour interpolation
 - Volume calculation from contouring
- Weeks 10** : **7.0 Survey plans and maps**
- Introduction
 - Types of plans and maps
 - Elements of map
 - Plan design
 - Plotting method
- Weeks 11** : **8.0 Land Administration structure and its responsibilities**
- Types of land law used in Malaysia.
 - Types of agencies involved in the land administration structure - federal, state and district level.
 - Responsibilities of each department involved.
- Week 12** : **9.0 Registration of title**
- Torren system
 - Principle of Torren system
 - Benefit of Torren system
 - Types of titles
 - Registration procedure and forms used
- Week 13** : **10. Land categories**
- Purpose
 - Types of land categories - agriculture, building and industrial.
 - Implied and express conditions.
 - Penalty of breaking of condition.
- Week 14** : **11. Land alienation**
- Freehold and leasehold of state land
 - Freehold and leasehold of reserved land
 - Temporary Occupation License (TOL)
 - Permit
- Week 15** : **Final Exam Review Session**
- Week 16** : **REVISION WEEK**
- Week 17 – 19** : **FINAL EXAM**

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REFERENCES :

Courses Notes:

1. Kavanagh, B.F. "Surveying with Contruction Application". Pearson Prentice Hall. New Jersey. USA. 2010.
2. Ghilani C.D, Wolf. P.R. "Elementary Surveying:An Introduction to Geomatics". Twelfth Edition.Pearson and Prentice Hall. New Jersey. USA. 2008.
3. Uren, J. and Price, W.F. Surveying for engineers.4th Edition. Palgrave Macmilan. New York. 2006.
4. Wolf. P.R. , Ghilani C.D, "Elementary Surveying:An Introduction to Geomatics". Eleventh Edition. Pearson and Prentice Hall. New Jersey. USA. 2006.
5. Nathanson, J., Lanzafama, M.T., Kissam, P.. "Surveying Fundamentals and Practices". Fifth Edition. Pearson Prentice Hall. New Jersey. USA. 2006
6. Kavanagh, B.F. "Geomatics". Prentice Hall. New Jersey. USA. 2003.
7. Laporan Tahunan 1996 – JUPEM.
8. National Land Code 1965.
9. Buku Panduan Pentadbiran Tanah: Jabatan Tanah Dan Galian Persekutuan.1980.

Main Text:

1. Modul Ukur Kejuruteraan Awam – Raden Jayakasuma Supathan.
2. Nota Kuliah Milikan Tanah – Kamarulzaman Rasid

Other References:

Any resources that is useful to the course subject.

GRADING

No.	Assessment	Number	% each	% total	Dates
1	Test	2	10	20	Week 6, 13
2	Assignments	2	5	10	Week 5, Week 10
3	Project & presentation	2	5	10	Week 2, 5, 10, 14
4	Final Exam	1	60	60	Week 16 – 18
	Overall Total			100	