

## COURSE OUTLINE

<b>Department &amp; Faculty:</b> Department of Geoinformation Faculty of Built Environment & Surveying	Page : 1 of 4
<b>Course Code: Cadastral Studies (MGHU 1514)</b> <b>Total Contact Hours: 56 hours (4 hours per week)</b>	<b>Semester: II</b> <b>Academic Session: 2020/2021</b>

**Lecturer** : Sr Dr. Tan Liat Choon  
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**Synopsis** : The course is design to give comprehensive knowledge on the concepts, techniques and procedures in cadastral practice and modern. Spatially enabled government using modern Cadastre. Trends and new technology in modern cadastre explained.

### LEARNING OUTCOMES

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

No.	Course Learning Outcome	Programme Outcome	Taxonomies (C, P, A)	Weightage (%)	Assessment Methods
1.	<b>Define</b> modern cadastral practice.	PO1	C2	20 40	Test Final Exam
2.	<b>Propose</b> the appropriate measurement technique for the development of e-cadastral system	PO2	C3, A2	15	<u>NALI - PBL</u> Assignment 1
3.	<b>Develop</b> and <b>analyse</b> cadastral data and database.	PO3	C4, C5, CTPS1-3	15	<u>NALI - PBL</u> Assignment 2
4.	<b>Communicate</b> design project deliverable in writing and oral presentation.	PO6	C3, A2, CS3-4, TS3	5	Presentation
5.	<b>Operate</b> the e-cadastral system.	PO4	C3, C4, EM1	5	Presentation

<b>Prepared by: Course Coordinator</b> <b>Name: Sr Dr. Tan Liat Choon</b> <b>Signature:</b> <b>Date:</b>	<b>Certified by: TD(A)</b> <b>Name:</b> <b>Signature:</b> <b>Date:</b>
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### STUDENT LEARNING TIME (SLT)

Teaching and Learning Activities	Student Learning Time (hours)
<b>1. Face-to-Face Learning</b>	
a. Lecturer-Centered Learning <ul style="list-style-type: none"> <li>i. Lecture</li> </ul>	56
b. Student-Centered Learning (SCL) <ul style="list-style-type: none"> <li>i. Laboratory/Tutorial</li> <li>ii. Student-centered learning activities – Active Learning, Project Based Learning</li> </ul>	0 30
<b>2. Self-Directed Learning</b>	
a. Non-face-to-face learning or student-centered learning (SCL) such as manual, assignment, module, etc.	20
b. NALI/MOOCs/e-Learning	10
c. Revision	30
d. Assessment Preparations	8
<b>3. Formal Assessment</b>	
a. Continuous Assessment	3
b. Final Exam	3
<b>Total (SLT)</b>	<b>160</b>

### TEACHING METHODOLOGY

Lecture and Discussion, NALI : Project Based Learning, Cooperative Learning, Independent Study, Lab Work, Presentation, Computers Oriented, Group Discussion (Think Pair Share)

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### WEEKLY SCHEDULE

Week 1 (17/03/2021)	: Registration and Introduction to course
Week 2 (24/03/2021)	: Introduction to Cadastral System, Cadastral Studies Worldwide
Week 3 (31/03/2021)	: Land Administration (Assignment 1)
Week 4 (07/04/2021)	: Land Development
Week 5 (14/04/2021)	: Land Development
Week 6 (21/04/2021)	: Land Development (Test)
Week 7 (28/04/2021)	: Law & Regulations (Field)
Week 8 (05/05/2021)	: Law & Regulations (Office) (Assignment 2)
Week 9 (12/05/2021)	: Mid-Semester Break
Week 10 (19/05/2021)	: eCadastral System and Multipurpose Cadastre
Week 11 (26/05/2021)	: New Cadastral System in Malaysia
Week 12 (02/06/2021)	: New Cadastral System in Malaysia
Week 13 (09/06/2021)	: New Cadastral System in Malaysia
Week 14 (16/06/2021)	: Marine Cadastre and Maritime Boundary, 3D Cadastre
Week 15 (23/06/2021)	: Presentation
Week 16-18	: Revision Week and Final Examination

### REFERENCES :

1. Dale, McLanglin (2000). 'Land Administration, Clarendon Press, Oxford.
2. Larson (1991), 'Land Registration and Cadastral System', New York, Longman.
3. National Land Code 1965 (Act 56), 1996
4. Survey and Mapping Director General Circular 5/2009
5. Survey and Mapping Director General Circular 6/2009
6. Akta Jurukur Tanah Berlesen (Pindaan 1991)
7. Licensed land Surveyors Regulation 2011
8. Pekeliling Lembaga Jurukur Tanah Semenanjung Malaysia
9. FIG (2000). Cadastre 2014. FIG.
10. STARPLUS (2002).
11. StarNet : Least Squares Survey Adjustment Program. Oakland: Starplus Software, Inc.
12. Kaplan, E. D (2000). Adjustment Computation. New York: John Wiley & Sons

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### GRADING:

Assessment will be done through the following schema. A student must obtain at least 65% marks to pass this subject.  
**Attendants are compulsory.**

	<b>Assessment Name</b>	<b>Number</b>	<b>% Each</b>	<b>% Total</b>	<b>Date</b>
1	Lab/Field/Assignment	2	15 (PO2) 15 (PO3)	30	Week 3 Week 9
2	Presentation	2	5 (PO4, PO6)	10	Week 15
3	Test	1	20 (PO1)	20	Week 6
4	Final Exam	1	40 (PO1)	40	Week 16-18
	<b>Overall Total</b>			<b>100</b>	

### ATTENDANCE:

The student should adhere to the rules of attendance as stated in the University Academic Regulation:-

1. Student must attend not less than 80% of lecture hours as required for the subject.
2. The student will be prohibited from attending any lecture and assessment activities upon failure to comply the above requirement. Zero mark will be given to the subject.