

School/Faculty:	Faculty of Built Environment and Surveying		
Program name:	Bachelor of Geomatics Engineering with Honours		
Course code:	SBEU3323	Academic Session/Semester:	2023-2024/1
Course name:	Cadastre Survey Practice	Pre/co requisite (course name and code, if applicable):	Null
Credit hours:	3		

Course synopsis	The main objective of this course is to equip students with knowledge on cadastral survey according to National Land Code (Title Ownership), Disposal of Underground land (Stratum Survey), Strata Titles Act 1985 (Party wall survey), Strata Titles Management 2013, Field to Finish, Coordinated Cadastral System, National Digital Cadastral Database, eCadastrre, Multipurpose Cadastre, Marine Cadastre, Professional Ethic as well as issues and future trend in cadastre survey (3D Cadastre).		
Course coordinator (if applicable)	Null		
Course lecturer(s)	Name	Office	Contact no.
	Sr Dr Tan Liat Choon	C03-312-A	016-4975551
			E-mail
			tlchoon@utm.my tanliatchoon@gmail.com

Mapping of the Course Learning Outcomes (CLO) to the Programme Learning Outcomes (PLO), Teaching & Learning (T&L) methods and Assessment methods:

No.	CLO*	PLO	**Taxonomies and ***generic skills	T&L methods	****Assessment methods
CLO1	Classify various type of cadastre survey that being practiced by the land surveyor in Malaysia.	PLO1 (C1)	C4	Lecture, active learning	T
CLO2	Demonstrate the knowledge related to land laws and survey regulations that being practiced by the land surveyor in Malaysia.	PLO2 (C2)	A3	Lecture, active learning	F
CLO3	Display the practical skill related to land laws and survey regulations that being practiced by the land surveyor in Malaysia.	PLO3 (C3A)	P5	Lecture, active learning, Teaching Research Nexus (TRN)	A, PR
CLO4	Lead in a team to perform cadastral project as well as conducting high quality standard of survey technical skills for completing given tasks.	PLO8 (C3F)	TW2	Lecture, active learning, Teaching Research Nexus (TRN)	Pr

This is the basic mapping required for the CI. Any added information is allowed (extra columns for weight or other elements) provided this is made consistent for all CI at program/school/faculty level.

\*Up to 5 CLO

Refer \*\*Taxonomies of Learning and \*\*\*UTM's Graduate Attributes for UG and Generic Skills for PG, where applicable for measurement of outcomes achievement

\*\*\*\*T – Test; Q – Quiz; HW – Homework; Asg – Assignment; PR – Project; Pr – Presentation; F – Final Exam; Field Work – FW etc.

\*\*MQF Cluster Code

C1 = Knowledge & Understanding, C2 = Cognitive Skills, C3A = Practical Skills, C3B = Interpersonal Skills, C3C= Communication Skills, C3D = Digital Skills, C3E = Numeracy Skills, C3F = Leadership, Autonomy & Responsibility, C4A = Personal Skills, C4B = Entrepreneurial Skills, C5 = Ethics & Professionalism

Details on Innovative T&L practices:

No.	Type	Implementation
1	Active learning	Conducted through in-class activities, Case study, presentation, Problem Based Learning and Debate
2	Teaching Research Nexus (TRN)	Engaging the students with research and enquiry. To develop their ability in investigating problems, making judgements on the basis of sound evidence, make decisions on a rational basis and understand the purpose (what and why) of doing things.

Transferable skills (generic skills learning in course of study which can be useful and utilised in other settings) :

Skills in conducting the field work,  
Critical thinking skills,

Student learning time (SLT) / Effective Learning Time (ELT) details:

Week/ Meeting	Course Content Outline and Subtopics	CLO*	Learning and Teaching Activities										TOTAL SLT			
			Face-to-Face (F2F)							Non F2F Independent Learning						
			Physical				Online (Synchronous)			Online (Asynchronous)	Others					
			L	T	P	O	L	T	P			O				
Week 1 1st 21/10/2023	<b>Introduction</b> • Cadastre and cadastral • National Land Code (NLC) • States Land Rules	CLO1	2		4											6
Week 2 1st 21/10/2023	<b>Cadastral Surveying for Issue of Titles</b> • Definition of cadastral survey (S83) • Registration of titles (S77, S85, S176, S189)	CLO1	2		4											6
Week 3 1st 21/10/2023	<b>Surveying According to Section 396 of NLC</b> • Survey procedures and deposited plans (S396-S413) • Survey Datum • Types of boundary • Boundary marks • Party wall	CLO1	2		4											6
Week 4 2nd 22/10/2023	<b>Electronic Field Book</b> • Special requirements	CLO2	2		4											8
Week 5 2nd 22/10/2023	<b>Conduct Cadastral Land Surveys-Sarawak</b>	CLO2	2		4									2		8
Week 6 2nd 22/10/2023	<b>Strata Titles Sarawak</b> • Introduction	CLO3	2		4									2		8
Week 7 3rd 25/11/2023	<b>Strata (Subsidiary Titles) Ordinance 2019 (Sarawak)</b> • Strata Development • Strata Legislation • Components under Strata • Text, Line & Symbols	CLO3	2		4											8
Week 8	<b>Mid-Semester Break</b>															
Week 9 3rd 25/11/2023	<b>Strata (Subsidiary Titles) Ordinance 2019 (Sarawak)</b> • Share Units • Strata Plans (SSP, CP, LCP) • Schedule of Parcels (Spreadsheet)	CLO3	2		4											8
Week 10 4th 26/11/2023	<b>Strata (Subsidiary Titles) Ordinance 2019 (Sarawak)</b> • Strata Titles Application • Limited Common Property & Subsidiary Management Corporation • Other Issues  <b>Midterm Test</b>	CLO2	2		4											8
Week 11 5th 17/12/2023	<b>Case Study</b> <b>Strata Title Survey (Field Work)</b> <b>(Re-Survey of Lot &amp; Subdivision of Building-As Built Survey)</b> <b>Ukuran Semula (Amali 1)</b>	CLO4	2		4											8
Week 14 6th 24/12/2023	<b>Disposal of Underground Land (Stratum)</b> • Definition • Alienation of underground land • Granting of right to Use underground land below alienated land • Lease of underground reserved land • Survey of underground land • Stratum plan  <b>Marine Cadastre and Maritime Boundary</b>	CLO4	2		4											8
Week 15 7th 30/12/2023	<b>eCadastre</b> • Coordinated Cadastral System • National Digital Cadastral Database • 3D Cadastre • Multipurpose Cadastre  <b>Presentation of Survey Plan</b>	CLO4	2		4											8
Week 16	<b>Revision Week</b>															
Week 17/18/19	<b>Final Examination</b>															
												<b>SUB-TOTAL SLT :</b>	<b>90</b>			

Continous Assessment	%	Face-to-Face (F2F)		NF2F Independent Learning for Assessment		TOTAL SLT
		Physical	Online (Synchronous)	Online (Asynchronous)	Others	
1 Midterm Test 1	10	1				1
2 Field Work	30	24				24
3 Project Presentation	20	2				2
<b>SUB-TOTAL SLT :</b>						<b>27</b>

Summative Assessment	%	Face-to-Face (F2F)		NF2F Independent Learning for Assessment		TOTAL SLT
		Physical	Online (Synchronous)	Online (Asynchronous)	Others	
1 Final Examination	40	3				3
<b>SUB-TOTAL SLT :</b>						<b>3</b>

<b>SLT for Assessment:</b>						<b>30</b>
<b>GRAND TOTAL SLT:</b>						<b>120</b>

<b>A</b>	% SLT for F2F Physical Component	96.23
<b>B</b>	% SLT for Online & Independent Learning Component :	3.77
<b>C</b>	%SLT for Online Component:	0.00
<b>D</b>	% SLT for All Practical Component:	45.28
<b>D1</b>	% SLT for F2F Physical Practical Component:	45.28
<b>D2</b>	% SLT for F2F Online Practical Component:	0.00

Please tick (/)if this course Industrial Training/ Clinical Placement/ Practicum using 50% of Effective Learning Time (ELT)

Note :

\*\* For OD L Programme : Courses with mandatory practical requirement imposed by programme standards or any related standards can be exempted from complying to the minimum 80% OD L delivery rule in the SLT.

**Identify special requirement or resources to deliver the course (e.g.,software,nursery, computer lab, simulation room etc)**

Lecture room with computer and LCD

Computer Lab, iTools

Surveying Lab: eTSM, UKK Lab, etc.

Surveying Software: AutoCAD, etc.

**References (include required and further readings, and should be the most current)**

**Text book (if applicable)**

None

**Main references:**

1. Malaysian Torrens System and Islamic Land Law
2. Federal Constitution 1957
3. National Land Code (Act 828)
4. Licensed Land Surveyors Act 1958 (Act 458)
5. Licensed Land Surveyors Regulations 2011
6. Licensed Land Surveyors Regulations (Amendment) 2019
7. Survey and Mapping Director General Circular 5/2009
8. Survey and Mapping Director General Circular 6/2009

**Additional references**

Please refer to e-Learning and website

**Other additional information (if applicable)**

**Academic honesty and plagiarism:** (Below is just a sample)

Assignments are individual tasks and NOT group activities (UNLESS EXPLICITLY INDICATED AS GROUP ACTIVITIES)

**Other additional information (if applicable)**

For assignment, for late submission of assignment, one mark will be deducted for each day after the due date.

**Disclaimer:**

All teaching and learning materials associated with this course are for personal use only. The materials are intended for educational purposes only. Reproduction of the materials in any form for any purposes other than what it is intended for is prohibited.

While every effort has been made to ensure the accuracy of the information supplied herein, Universiti Teknologi Malaysia cannot be held responsible for any errors or omissions.