

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,

Leadership and communication 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 07/10/2023	<b>Introduction</b> • Cadastral and cadastral • National Land Code (NLC) • States Land Rules	CLO1	2		4											6
Week 2 1st 07/10/2023	<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 07/10/2023	<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 08/10/2023	<b>Electronic Field Book</b> • Special requirements	CLO2	2		4											8
Week 5 2nd 08/10/2023	<b>Strata Titles (Schedule of Parcel)</b> • Introduction • Survey of lot, parcel, land parcel, accessory parcel and common property	CLO2	2		4									2		8
Week 6 2nd 08/10/2023	<b>Strata Titles (Schedule of Parcel)</b> • Preparation of Schedule of Parcels • Allocated Share Units	CLO3	2		4									2		8
Week 7 3rd 04/11/2023	<b>Strata Titles (Proposed Strata Plan)</b> • Preparation of Proposed Strata Plan (CPS) • Application for Certificate of Proposed Strata Plan (CPSP) • Preparation of plan of lot, parcel, land parcel, accessory parcel and common property	CLO3	2		4											8
Week 8	<b>Mid-Semester Break</b>															
Week 9 3rd 04/11/2023	<b>Strata Titles (Certified Strata Plan &amp; Special Plan)</b> • Preparation of Certified Strata Plan [PA(B)] • Application for Subdivision or Amalgamation of Parcel • Preparation of Special Plan for Limited Common Property	CLO3	2		4											8
Week 10 4th 05/11/2023	<b>Strata Titles Management</b> • Introduction • Overview of Strata Management Act 2013 (Act 757)  <b>Midterm Test</b>	CLO2	2		4											8
Week 11 5th 03/12/2023	<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 07/01/2024	<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 14/01/2024	<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 Week 17/18/19	<b>Revision Week</b>  <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>
A	% SLT for F2F Physical Component				96.23	
B	% SLT for Online & Independent Learning Component :				3.77	
C	%SLT for Online Component:				0.00	
D	% SLT for All Practical Component:				45.28	
D1	% SLT for F2F Physical Practical Component:				45.28	
D2	% 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:**

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