	Teaching Plan **FAKULTI TEKNOLOGI MAKLUMAT & KOMUNIKASI** **UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

CYBERLAW AND SECURITY POLICY		
BITS 2523	**SEMESTER 2**	**SESSION 2021/2022**

BITS 2523 CYBERLAW AND SECURITY POLICY (3, 2, 2)
TYPE OF COURSE: C
EDITION: 3
UPDATED: 14.02.2019

1.0 LEARNING OUTCOMES

Upon successful completion of this subject, the student should be able to:

- Differentiate the concept of Cyberlaw, Security Policy, Intellectual Property, and cybercrime issues in the cyber world. (C2, CTPS3)
- Explain the scope of protection covered by each type of Cyberlaw. (A2, EM2)
- Construct security policies based on related Acts and Laws. (P2, LL2)

2.0 SYNOPSIS

This course is designed to provide fundamental skills needed to understand cyberlaws related to copyright, patents, digital rights, computer crimes, privacy issues, hacking, and prosecution in Malaysia. This course will also cover the scope and enforcement bodies in Malaysia. Furthermore, students will be exposed to designing and producing security policies in accordance with legal laws.

3.0 PRE-REQUISITE
None

4.0 PRACTICAL

Applied lab sessions will discuss various issues in cyberlaw.

5.0 REFERENCES

[1] Foong Cheng Leong, "Foong's Malaysia Cyber, Electronic Evidence and Information Technology Law", Sweet and Maxwell, 2020
[2] Jeff Kosseff, "Cybersecurity Law", 2nd edition, Wiley, 2020
[3] Mireille Hildenbrandt, "Law for Computer Scientists and Other Folks", Oxford University Press, 2020
[4] Tari Schreider, "Cybersecurity Law, Standards, and Regulations", Second Edition, Rothstein Publishers, 2020
[5] Joanna Lyn Grama, "Legal and Privacy Issues in Information Security", 3rd edition, Jones & Bartlett Learning, 2020
[6] Sari Stern Greene, "Security Program and Policies: Principles and Practice", 2nd edition, Pearson Education, 2014
[7] Omar Santos, "Developing Cybersecurity Programs and Policies", Pearson Education, 2019
[8] Mary Manjikian, "Cybersecurity Ethics", Routledge, 2018

6.0 COURSE IMPLEMENTATION

    a. Lecture
- 2 hr per week for 14 weeks (Total = 28hrs)

    b. Laboratory Activities
- 2hr per week for 14 weeks (Total = 28hrs)

7.0 COURSE EVALUATION

Assessment Method	Percentage	Assessment Time	LO 1	LO 2	LO3
Project	10%	0.5 hours			PJ1-10%
Quiz (4)	20%	0.25 hours x 4 = 1.0 hours	Q1&Q2-10%	Q3 & Q4 -10%	
Assignment (2)	20%	1 hour x 2 = 2.0 hours	A1-10%	A2-10%	
Mid-Term	20%	1 hour	MT1-10%	MT2-10%	
Final Exam	30%	2 hours	PA1-10%		PA2-20%
Total			**40%**	**30%**	**30%**

Assessment Time Estimator

		Estimated time				Actual Set time	
		In minutes		In hours			
Type	Marks	Ass (m)	Self (m)	Ass (h)	Self (h)	Ass (h)	Self (h)
Project	10	30	120	0.5	2.0	0.5	2
Kuiz	20	60	240	1.0	4.0	1	2
Assignment	20	60	240	1.0	4.0	1	4
Mid term	20	60	240	1.0	4.0	1	4
Final Exam	30	90	360	1.5	6.0	2	8
Total	100.0	300.0	1200.0	5.0	20.0	5.5	22.0

8.0 STUDENT LEARNING TIME (SLT)

Week	CLO	Guided LT				Independent LT								Assessment Time				SLT
		L	T	P	O	L	T	P	O	F	T	A	O	F	T	A	O	
W1	1	2		2		1	0	1		0	0	0						6
W2	1	2		2		1	0	1		0	2	0	0		0.25			8.25
W3	1	2		2		1	0	1		0	0	0	0					6
W4	1	2		2		1	0	1		0	0	0	0					6
W5	2	2		2		1	0	1		0	0	0	0					6
W6	2	2		2		1	0	1		0	2	0	0		0.25			8.25
W7	2	2		2		1	0	1		0	4	8	0		1	2		21
W8	2	2		2		1	0	1		0	0	0	0					6
W9	2	2		2		1	0	1		0	0	0	0					6
W10	3	2		2		1	0	1		0	2	0	0		0.25			8.25
W11	3	2		2		1	0	1		0	0	0	0					6
W12	3	2		2		1	0	1		0	0	0	0					6
W13	3	2		2		1	0	1		0	2	4	0		0.25	1		13.25
W14	3	2		2		1	0	1		0	0	0	0					6
>W14										8	0	0	0		2			10
Overall		28	0	28	0	14	0	14	0	8	12	12	0	0	4	3	0	123
												SLT Equivalent						3.075

9.0 DETAILED SYLLABUS AND TEACHING PLAN

Week	Session	Content	Reference	Delivery Method
1	Lecture 1	**Introduction to Cyberlaw** • Definition of Cyberspace, Cybercrime, Cyberlaw • The need for cyberlaw • Development of Cyberlaw in Malaysia • Enforcement Bodies related to Cyberlaw	[1,2,3,4,5]	Lecture Lab
	Lab 1	Case Study		
2	Lecture 2	**Cyberlaw in E-Commerce: Part 1** • E-commerce • Electronic contracts • Software licensing agreements	[1,2,3,4,5]	Lecture Lab
	Lab 2	Case Study		
3	Lecture 3	**Cyberlaw in E-Commerce: Part 2** • Electronic Commerce Act 2006 • Electronic Signature • Digital Signature Act • Consumer Protection (Electronic Trade Transactions) Regulations 2012 • Contracts Act 1950	[1,2,3,4,5]	Lecture Lab
	Lab 3	Case Study		
4	Lecture 4	**Internet and Information Security** • Internet security • Information security	[6,7]	Lecture Lab
	Lab 4	Case Study		
5	Lecture 5	**Internet and Computer Crime** • Computer Crimes Act 1997 • Communications and Multimedia Act 1998 • Official Secrets Act	[1,2,3,4,5]	Lecture Lab
	Lab 5	Case Study		
6	Lecture 6	**Intellectual Property (IP) in Cyberspace: Part 1** • Jurisdiction • Discovering identities of Internet users	[1,2,3,4,5]	Lecture Lab
	Lab 6	Case Study		
7	Lecture 7	**Intellectual Property (IP) in Cyberspace: Part 2** • Trademark • Copyright	[1,2,3,4,5]	Lecture

		• Patent		Lab
	Lab 7	Case Study		
8	Lecture 8	**Ethical Issues:** • Privacy • Defamation in Cyberspace • Obscenity	[8]	Lecture Lab
	Lab 8	Case Study		
		MID-SEMESTER EXAMINATION		
		MIDTERM BREAK (1 WEEK)		
9	Lecture 9	**Personal Data Protection Act 2010** • Principles • PDPA Enforcement • Weaknesses & limitations • Comparative influences • Critique & Review Of Personal Data Protection Act 2010 (Act 709)	[1,2,3,4,5]	Lecture Lab
	Lab 9	Case Study		
10	Lecture 10	**Future Cyberlaws in Malaysia** • Instant messages, social media postings and other electronic evidence • Anti-Fake News Act 2018 (repealed) • Sexual Offences Against Children Act 2017 • Sextortion • Online scams • Supporting terrorism via the internet • IoT, Big data, Cloud computing, and Blockchain • Cyberbullying • Cyberviolence against women and children	[1,2,3,4,5]	Lecture Lab
	Lab 10	Case Study		
11	Lecture 11	**Strategic Security Policy: Part 1** • Policy through the ages • Policy today • Information security policy • Why do we need security policies? • Successful policy characteristics	[6,7]	Lecture Lab
	Lab 11	Case Study		

12	Lecture 12	**Strategic Security Policy: Part 2**	[6,7]	Lecture
				Lab
		• Information security policy lifecycle • Policy Hierarchy - standards, baseline, guidelines, procedures, plan, and programs • Understanding information security policies • Who authorizes ISP? • Revising ISP • Evaluating ISP		
	Lab 12	Case Study		
13	Lecture 13	**Security Policy Model**	[6,7]	Lecture
				Lab
		• Security models • Confidentiality model • Integrity Model • All Integrity Goals • Availability		
	Lab 13	Case Study		
14	Lecture 14	**Trusted Network**	[6,7]	Lecture
				Lab
		• System evaluation criteria • Trusted network and common criteria • Malaysian Common Criteria Evaluation and Certification (MyCC)		
	Lab 14	Case Study		
15		**STUDY WEEK**		
16		**EXAMINATION WEEK**		

10.0 MATRIX OF COURSE LEARNING OUTCOMES

LEARNING OUTCOME (LO)

LO1	Differentiate the concept of Cyberlaw, Security Policy, Intellectual Property, and cybercrime issues in the cyber world. (C2 CTP3)
LO2	Explain the scope of protection covered by each type of Cyberlaw. (A2, EM2)
LO3	Construct security policies based on related Acts and Laws. (P2, LL2)

SUBJECT vs PROGRAM OUTCOME (PO)

Subject	PROGRAM OUTCOME (PO)								
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BITS 2523		X		X				X	

LEARNING OUTCOME (LO) vs PROGRAM OUTCOME (PO)

LO	PROGRAM OUTCOME (PO)								
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
LO1				X					
LO2								X	
LO3		X							

SUBJECT vs SOFT SKILLS

Subject	SOFT SKILLS																						
	communication skill					critical thinking & problem solving					teamwork			lifelong learning			entrepreneurship skills			Ethics & moral professionalism			leadership skills		
	CS1	CS2	CS3	CS4	CS5	CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	TS1	TS2	TS3	LL1	LL2	LL3	ES1	ES2	ES3	EM1	EM2	EM3	LS1	LS2	LS3

BITS 2523						X	X	X								X	X					X	X			

LEARNING OUTCOME (LO) vs SOFT SKILLS

LO	SOFT SKILLS																					
	communication skill					critical thinking & problem solving					teamwork			lifelong learning			Entrepreneurship skills			ethics & moral professional-ism			leadership skills		
	CS1	CS2	CS3	CS4	CS5	CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	TS1	TS2	TS3	LL1	LL2	LL3	ES1	ES2	ES3	EM1	EM2	EM3	LS1	LS2	LS3
LO1	X	X				X	X	X																		
LO2																										
LO3														X	X					X	X				

SUBJECT vs TAXONOMY

Subject	Taxonomy																	
	Affective					Cognitive						Psychomotor						
	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7
BITS 2523	X	X				X	X					X	X					

LEARNING OUTCOME (LO) vs TAXONOMY

LO	Taxonomy																	
	Affective					Cognitive						Psychomotor						
	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7
LO1						X	X											
LO2	X	X																

LO3													X	X						

TEACHING PLAN APPROVAL

Prepared by;   Approved by;

....
Name: DR MOHD FAIRUZ ISKANDAR   Dean/Deputy Dean(Academic)/HOD
        BIN OTHMAN

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        Pensyarah Kanan
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   Universiti Teknikal Malaysia Melaka(UTeM)

Date   :   1 MAC 2022   Date   :

TEACHING PLAN IMPLEMENTATION
(MID SEMESTER BREAK)

Comment :

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Checked by ;

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Dean/Deputy Dean (Academic)/HOD
Stamp :   Date: ....

TEACHING PLAN IMPLEMENTATION
(WEEK 16)

Comment :

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