LSPR Institute of Communication & Business

The Leading Graduate School of Communication & Business

Department of Business Faculty
Subject Syllabus

Subject Code : **DBM11**

Subject Title : **Risk & Cyber Security Management I**

Subject Specification : The subject specification of Risk and Cybersecurity Management I to have understanding about the uncertainties in business and to see how important it is preparing the relevant mitigation in order to achieve effective project management.

Subject Overview : The subject overview of Risk and Cybersecurity Management I is about the function of project management and how to mitigate the uncertainties in digital business.

Course Objectives : The course objective of Risk and Cybersecurity Management I nis to help students gain better understanding of risk, risk management and digital assets which should be an integration between evaluation, control and monitoring in order to manage the company for the best chance of success.

Course Method :

Interactive lectures, interactive discussions, problem-solving discussions, case studies, project based learning.

Learning Outcome (Competence) :

Knowledge : Students Understand the risk possibility in a project, from their causes and effects

Skill : students are able to ensure the effectiveness of management of uncertainty and able to make decisions to ensure the achievement of project objectives

Attitude:

1. Confidence
2. Relevant
3. Collaborative
4. Adaptive
5. Critical Thinking
6. Active Learning

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Course content :

Session	Topic
1	Introduction to Risk Management
2	Risk in Definition
3	Impact of Risk on Organization
4	Type of Risk and Computer Security
5	Scope of Risk and Digital Assets protection
6	Cybersecurity management and standards
7	Review and Cybersecurity Standards case study
8	Midterm Test
9	Risk Management in Context
10	Risk Management and Cybersecurity (Cyber Attack) in Small Medium Enterprise ; study case approach.
11	Risk Management and Cybersecurity (Cyber Defence) in Small Medium Enterprise ; study case approach
12	Risk Behavior and security culture
13	Project Risk Management
14	Application of Risk Management and Cyber Security Management in a digital business project
15	Review Application of Risk Management and Cyber Security Management in a digital business project
16	Final Test (International Exam)

Grading System :

As a general rule, students are evaluated based on the following criteria:

- Final Examination 35%
- Mid-term Examination 25%
- Coursework & Assignments 30%
- Attendance 10%

The acceptable grade for LSPR-Jakarta S1 programme is 60 and above. In the Letter Grade System, the quantitative grades mean:

.Grade	.Symbol	..Conversion Value
90 – 100	A	4.0
.85 – 89.99	.A-	..3.7
80 – 84.99	B+	3.3

.75 – 79.99	.B	..3.0
70 – 74.99	B-	2.7
.65 – 69.99	.C+	..2.3
.60 – 64.99	.C	..2.0
.50 – 59.99	.C-	..1.7
.40 – 49.99	.D	..1.0.
< 40	E	0

The student Grade Point Average (GPA) is organized into the following categories:

- GPA of 0.00 – 1.99 = Fail
- GPA of 2.00 – 2.49 = Pass
- GPA of 2.50 – 2.99 = Credit
- GPA of 3.00 – 3.49 = Merit
- GPA of 3.50 – 4.00 = Distinction

Course Evaluation :

As a general rule, students are evaluated based on the following criteria:

Final Examinations	35%
Mid-term Examinations	25%
Coursework & Assignments	30%
Attendance	10%
TOTAL	100%

Scheme of Work:

Session	Title/Topic	Area Discussion	Activities
1	Introduction to Risk Management	1. What is Risk Management? 2. How We Manage Risk? 3. Risk & Digital Business	1. lecturing 2. interactive discussions
2	Risk in Definition	1. Definition of Risk 2. Type of Risk 3. Risk Description 4. Inherent level of risk	1. lecturing 2. interactive discussions

		5. Risk classifications system 6. Risk likelihood and magnitude 7. Risk in Cyber Securit	
3	Impact of Risk on Organization	1. Level of Risk 2. Impact of hazard risks 3. attachment of risks 4. risk and reward 5. attitudes to risk 6. risk and triggers	1. lecturing 2. interactive discussions
4	Type of Risk and Computer Security	1. timescale of risk impact 2. four types of risk 3. embrace opportunity risks 4. manage uncertainty risk 5. mitigate hazard risks 6. minimize compliance risks 7. The vulnerability, threat and control paradigm.	1. lecturing 2. interactive discussions
5	Scope of Risk and Digital Assets protection	1. origins of risk management 2. development of risk management 3. specialist areas of risk management 4. simple representation of risk management	1. lecturing 2. interactive discussions

		5. enterprise risk management 6. levels of risk management sophistication 7. define digital assets protection.	
6	Cybersecurity Management and Standards	1. Principle of Risk Management 2. 5 keys principle in Cybersecurity 3. Cybersecurity Standards	1. lecturing 2. interactive discussions
7	Review and Cybersecurity standards case study	1. Review before mid 2. Cyber security case study	1. lecturing 2. interactive discussions 3. study case
8	Midterm Test		
9	Risk Management and Cybersecurity management in Context	1. scope of the context 2. external context 3. internal context 4. risk management context 5. designing a risk register 6. using a risk register 7. Cybersecurity management approach using COBIT 5	1. lecturing 2. interactive discussions 3. study case
10	Risk Management and Cybersecurity (Cyber Attack) in Small Medium Enterprise ; study case	Types of Risk and Cybersecurity management (Cyber Attack) in SMEs based on case study.	1. lecturing 2. interactive discussions 3. study case

	approach.		
11	Risk Management and Cybersecurity (Cyber Defence) in Small Medium Enterprise ; study case approach	Risk Management and Cyber SecTypes of Risk and Cybersecurity management (Cyber Defence) in SMEs based on case study.	1. study case 2. problem-solving discussions
12	Risk Behavior and security culture	1. Risk behavior and attitude 2. knowledge risk management and risk culture 3. attribute of security culture 4. security culture style	1. lecturing 2. interactive discussions
13	Project Risk Management	Project risk management and innovation management	1. lecturing 2. interactive discussions
14	Application of Risk Management in a digital business project	Students making a risk management plan for their own business or running current business as an implementation of the risk management and Cybersecurity risk management theory	1. study case 2. problem-solving discussions based on their own business condition
15	Review Application of Risk Management and Cybersecurity Management in a digital business project	Lecturer will review the risk management planning (mitigation/plan project) that has made by students	1. lecturing 2. interactive discussions
16	Final Test		

Midterm Test Guideline :
Paper analysis based on study case that prepared by the lecturer (individual)

Final Test Guideline :

Risk and Mitigation (hazard) planning for their own business (in group)

References :

Books:

1. Paul Hopkin. 2018. Fundamentals of Risk Management (5th) edition; understanding, evaluating and implementing effective risk management.
2. Chiara Crovini. 2019. Risk Management in Small and Medium Enterprises.
3. Dan Bloom. 2020. Rational Cyber Security for Business.
4. Thomas A. Jhonson. 2015. Cyber-Security Protecting Critical Infrastructures from Cyber Attack and Cyber Warfare.
5. James Graham, Richard Howard, Ryan Olson. 2011. Cyber Security Essentials.
6. Harold F. Tipton, Micki Krause. 2008. Information Security Management Handbook 6th Edition Volume 2.

Articles Journal:

1. **Risk Journal**
   Mthiyane, Z.Z.F.; van der Poll, H.M.; Tshehla, M.F. A Framework for Risk Management in Small Medium Enterprises in Developing Countries. *Risks* **2022**, *10*, 173. https://doi.org/10.3390/risks10090173
2. **TEM Journal**
   Taha Redha Al Qubtan, Pei-Tha Gan, Fatimah Salwa Abd. Hadi, Norasibah Abdul Jalil, Norimah Rambeli.(2021).Practical Risk Management Approaches among Small and Medium Enterprises.*TEM Journal, 10*(2), 996-1004
3. **Journal of Open Innovation**
   Kuzior, A.; Vasylieva, T.; Kuzmenko, O.; Koibichuk, V.; Brożek, P. Global Digital Convergence: Impact of Cybersecurity, Business Transparency, Economic

Transformation, and AML Efficiency. *J. Open Innov. Technol. Mark. Complex.* **2022**, *8*, 195. https://doi.org/10.3390/joitmc8040195

4. **Sensor Journal**
   Sztyber-Betley, A.; Syfert, M.; Kościelny, J.M.; Górecka, Z. Controller Cyber-Attack Detection and Isolation. *Sensors* **2023**, *23*, 2778. https://doi.org/10.3390/s23052778

5. **Sustainability Journal**
   Chun, S.-H. E-Commerce Liability and Security Breaches in Mobile Payment for e-Business Sustainability. *Sustainability* 2019, *11*, 715. https://doi.org/10.3390/su11030715

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