

**NATIONAL UNIVERSITY OF SINGAPORE
NUS BUSINESS SCHOOL**

FIN3715: RISK AND INSURANCE

LECTURE NOTES

by

A/P CHEN RENBAO

2023/2024 SEMESTER I

**NATIONAL UNIVERSITY OF SINGAPORE
NUS BUSINESS SCHOOL**

Course: FIN3715: Risk and Insurance 2023/24 Semester I

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Class Hours: Wednesday 12:00-15:00

Venue: BIZ1 02-03

Please come to class on time.

Consultation Hours: Thursday: 14:00-18:00; Other time by appointment

Course Description:

Business entities and individuals are exposed to substantial risk associated with losses to property, income, and wealth because of damage to assets, legal liability, disability, retirement, and death. Costs associated with legal liability and employee benefit programs, particularly Central Provident Fund (CPF) and health care, have become matters of deep concern to company management. Individuals seeking coverage of their professional and personal risks have similar concerns. This survey course analyses the nature and impact of these risks and discusses appropriate risk management techniques. The emphasis is on the analysis and management of these problems for business entities, but these are substantial implications for the problems faced by individuals and society. Specific topics include risk identification and measurement; risk control and transfer, risk financing with commercial insurance, self-insurance, and captive insurance programs; insurance markets and regulation; employee benefits and CPF; life and health insurance; personal financial planning; international risk management and insurance for multi-national corporations.

This course will introduce Singapore experiences in solving problems related to Medicare, Housing, aging population and retirement, transportation, and using effective tax system to encourage people to work harder as well as to help the poor.

Course Objective:

It is an introductory course to insurance. No pre-requirement is needed for this course. After completion of this course, the students are expected to understand the basics of risk management and insurance, and importantly to explain the risk management and insurance decision made by individual and household, company, and the government.

Basic Reference Text:

Rejda, Geroge E., Michael J. McNamara, and William H. Rabel, *Principles of Risk Management and Insurance* (14th edition, 2022).

Assessment Methods:

Final Test	30%
Mid-term	30%
Project Report	25%
Class participation	15%

Requirements of Project: This is a group project with 4 to 6 students per group. You can choose any topic related to this course. The length is between 20 to 25 pages (indicative) single spaced without including references, tables and graphs.

Course Outline

Wednesday 12:00-15:00 PM BIZ1 02-03

Topic #	Week	Topic Title	Assignments (May Change)
		Part I: Risk Management & Insurance Basics	
1	16/08	Orientation and Course Overview; Risk and Risk Management I	Ch. 1
2	23/08	Risk and Risk Management II, Risk Pooling and Law of Large Numbers	Ch. 2 to Ch. 4 Ch 2 Appendix
3	30/08	The Insurance Mechanism; Risk and Utility	Ch. 2 R1
4	06/09	Corporate Demand for Insurance Cases 1, 2;	R2-4
5	13/09	Organisational Structure in the Insurance Firm; Insurance Company Operations, Reinsurance	Ch. 5 to Ch. 7; R 5-6
6	20/09	Insurance Pricing Recess Week 23/9-01/10	Ch. 7; Ch. 13 Appendix
7	04/10	Insurance Contract and Insurance Regulations	Ch. 9, 10,12; R7
		Part II: Insurance Market	
8	11/10	Mid-term Exam (During Class Time 12:00-13:10 PM Covers Topics: 1-7); Motor Insurance and COE	Ch. 20 and 21; R8
9	18/10	Other General Insurance; Liability Insurance	Ch. 22 to 27; R9-10
10	25/10	Life Insurance; Health Insurance	Ch.11-15; R11-14
11	01/11	Employee Benefit Planning and Retirement Planning Hand in Project Report	Ch. 16-18; R15-16,
12	08/11	Overview of Personal Financial Planning	
14	15/11	Final Test (During Class Time 12:15-14:15 PM)	
15	12-18/11	School Reading Week	

Note:

1. Ch. 1 means Chapter 1 in the textbook; R 1 stands for reading material 1 uploaded in the LumiNUS. Please download and print reading materials by yourself.

ACADEMIC HONESTY & PLAGIARISM

Academic integrity and honesty is essential for the pursuit and acquisition of knowledge. The University and School expect every student to uphold academic integrity & honesty at all times. Academic dishonesty is any misrepresentation with the intent to deceive, or failure to acknowledge the source, or falsification of information, or inaccuracy of statements, or cheating at examinations/tests, or inappropriate use of resources.

Plagiarism is 'the practice of taking someone else's work or ideas and passing them off as one's own' (The New Oxford Dictionary of English). The University and School will not condone plagiarism.

Artificial Intelligence (AI) tools such as ChatGPT do not require specialist knowledge to use. Many of these AI tools are commonly used in social media, for example, to create content and disguise and refine content created from programmes like ChatGPT. We understand that students will be drawn to using these AI Tools, as they would for any other electronic aid.

However, to be clear, normal academic rules still apply. As noted in the Code of Student Conduct:

“The University takes a strict view of cheating in any form, deceptive fabrication, plagiarism and violation of intellectual property and copyright laws. Any student who is found to have engaged in such misconduct is subject to disciplinary action by the University.”

With respect to AI tools (e.g., ChatGPT and image generation tools), your instructor will clarify whether the use of these tools as inputs into your assignment development process is acceptable. AI is a technology that requires skill to use, and knowledge about when and how to use it. If you use ChatGPT or any other such AI tool in your work, you must provide a proper representation of how you used the tool and what prompts you used to generate output. Failure to cite its use constitutes academic misconduct.

Further, as with any information source, be aware that minimal efforts yield low quality results. You will need to refine your work and fact check the output, as you would double-check information from any source. Further, you should be selective in how and when you use such tools instead of using it for each and every assignment you create.

To summarise:

1. Always check with your instructors on what are the permitted uses of AI tools.
2. Have a discussion at the start of a course about the use of AI.
3. Where permitted, acknowledge your use of AI.
4. You remain responsible for the quality of your work and its appropriate representation.
5. Failure to follow the above steps can lead to a concern about plagiarism (academic dishonesty).

As always, you have the obligation to make clear to the assessor which is your own work, and which is the work of others. Otherwise, your assessor is entitled to assume that everything being presented for assessment is entirely your own work. This is a minimum standard.

Additional guidance can be found at:

Admission Condition: <http://www.nus.edu.sg/registrar/administrative-policies-procedures/acceptance-record#NUSCodeofStudentConduct>

NUS Code of Student Conduct: <http://nus.edu.sg/osa/resources/code-of-student-conduct>

Academic Integrity Essentials: <https://libguides.nus.edu.sg/new2nus/acadintegrity#s-lib-ctab-22144949-4>

Guidelines on the Use of AI Tools For Academic

Work: <https://libguides.nus.edu.sg/new2nus/acadintegrity#s-lib-ctab-22144949-3>