

Annexe A: New/Revised Course Content in OBTL+ Format

Course Overview

The sections shown on this interface are based on the templates [UG OBTL+](#) or [PG OBTL+](#)

If you are revising/duplicating an existing course and do not see the pre-filled contents you expect in the subsequent sections e.g. Course Aims, Intended Learning Outcomes etc. please refer to [Data Transformation Status](#) for more information.

Expected Implementation in Academic Year	AY2024-2025
Semester/Trimester/Others (specify approx. Start/End date)	Semester 2
Course Author * Faculty proposing/revising the course	Sean Mulhearn
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Course Title	Enterprise Risk Management in Commodity Markets
Course Code	BF3213
Academic Units	2
Contact Hours	26
Research Experience Components	Not Applicable

Course Requisites (if applicable)

Pre-requisites	
Co-requisites	
Pre-requisite to	
Mutually exclusive to	
Replacement course to	
Remarks (if any)	

Course Aims

All organizations (especially commodities / energy trading organizations) face a wide range of enterprise risks.

This course provides:

- i) an overview on the range of key risks that continue to challenge these firms
- ii) how to assess and identify existing and emerging risks facing these firms
- iii) how to maintain an effective risk management framework to monitor and manage such risks
- iv) Overview and analysis of basic risk management techniques

Managing risk has never been so complex and regulated in a commodities / energy trading organization. Everyone in an organization (trading or non-trading, client facing traders/marketers or finance/IT teams) is expected to understand and manage risk across an organization.

Anyone aspiring to have a career in trading, risk management or a job in a trading organization would find value in this course.

Course's Intended Learning Outcomes (ILOs)

Upon the successful completion of this course, you (student) would be able to:

ILO 1	Define and describe in detail the typical risks that exist in a commodity trading organization.
ILO 2	Conduct a risk assessment exercise to identify existing and emerging risks in an organization and recommend appropriate solutions.
ILO 3	Design and develop an appropriate risk management framework to monitor and manage/mitigate risks for the organization.
ILO 4	Develop a communication plan in order to communicate effectively across multiple functions and across the organization to increase risk awareness and instill an appropriate risk/return culture for business decision making and people management.
ILO 5	Determine the pros and cons of various risk management techniques- e.g. futures, over the counter derivatives and physical transactions.

Course Content

Session 1 Part I: Introduction to enterprise risk management framework and process (in a trading organisation)
Session 2 : Strategic risk, business risk, Financial risk & liquidity risk Session 3: Operational Risk Session 4 Part I
Regulatory risk, Political & Legal risk; Reputational risk Session 4 Part II Risk governance & Management Session
5 Part I Typical Risk Management Techniques Session 5 Part II Tools for Enterprise Risk Management – Q & A
session with an industry panel Session 5 Part III Developing Risk Awareness Culture & Risk/Return mindset
Session 6 Putting it all together (Team exercise to develop a risk matrix for a trading organisation)

Reading and References (if applicable)

Materials for team exercise : 1. Financial statements of a company 2. Business profile and background of the company 3. Annual Report of the company

Planned Schedule

Week or Session	Topics or Themes	ILO	Readings	Delivery Mode	Activities
1	Introduction to Enterprise Risk Management	LO1, LO4	Handouts	In-person	
2	Strategic Risk & Business Risk Case study 1 – material review Financial Risk & Liquidity Risk Case study 2 – feedback from students	LO1, LO2, LO4	Handouts and Case study 1 & 2 materials	In-person	
3	Credit Risk, Market Risk	LO1, LO2, LO4	Handouts	In-person	Quiz 1
4	Operational Risk Case study 3- review & feedback	LO1, LO2, LO4	Handouts Case study 2 materials	In-person	
5	Regulatory Risk, Political & Legal risk; Reputational Risk	LO1, LO2, LO4	Handouts Case study 3 materials	In-person	
6	Case study 4 Assignment and presentation – Individual/Team	LO1, LO2, LO4	Handouts	In-person	
7	Risk Governance & Management	LO1, LO2, LO3, LO4	Handouts Case study 4 materials	In-person	
8	Typical Risk Management Techniques	LO1, LO2, LO4, LO5	Handouts	In-person	

Week or Session	Topics or Themes	ILO	Readings	Delivery Mode	Activities
9	Tools for Enterprise Risk Management - Q & A session with an industry panel	LO1, LO2, LO3, LO4, LO5	Handouts	In-person	
10	Developing Risk Awareness Culture & Risk/Return Mindset	LO1, LO2, LO3, LO4, LO5	Handouts	In-person	Quiz 2
11	Putting it all together (Team exercise to develop a risk framework for a trading organisation)	LO1, LO2, LO3, LO4, LO5		In-person	Team presentation
12	Putting it all together (cont'd) And Revision	LO1, LO2, LO3, LO4, LO5		In-person	

Learning and Teaching Approach

Approach	How does this approach support you in achieving the learning outcomes?
Seminars	The interactive seminar session provides ample opportunities for open discussion on the conceptual questions raised in the class. It allows you to think critically and share your ideas and concept with the class. This also allows me to get the concepts clearly through the entire class by involving each of you on the spot and ensure that the targeted learning outcomes are being achieved
In class activities - Case studies and presentation (Individual / Team)	Some learning outcomes for this course are skills which are practical in nature and cannot be achieved by reading and writing. The achievement of such learning outcomes requires hands-on experience, in-class activities such as case studies and presentation, provide such opportunities for you to apply what you have learned in class into practice through reviewing a real case study and presenting your findings and ideas.
Team assignment and presentation (Team)	The assignments require you to work as a team to discuss what you have learned in class and analyze and present your findings to a larger audience.

Assessment Structure

Assessment Components (includes both continuous and summative assessment)

No.	Component	ILO	Related PLO or Accreditation	Weightage	Team/Individual	Rubrics	Level of Understanding
1	Continuous Assessment (CA): Class Participation(Seminar participation)	1-5	Oral Communication	20	Individual	Analytic	Not Applicable
2	Continuous Assessment (CA): Presentation(Case studies & presentation)	1-5	Critical Thinking and Oral Communication	25		Analytic	Not Applicable
3	Continuous Assessment (CA): Assignment(Final Team Assignment & Presentation)	1-5	Critical Thinking and Oral Communication	25		Analytic	Not Applicable
4	Continuous Assessment (CA): Test/Quiz(Quiz 1)	1,2,4	Acquisition of knowledge	15	Individual	Analytic	Not Applicable
5	Continuous Assessment (CA): Test/Quiz(Quiz 2)	1-5	Acquisition of knowledge	15	Individual	Analytic	Not Applicable

Description of Assessment Components (if applicable)

Formative Feedback

- You will be assessed through a quiz that consists of multiple choice AND short answer questions. Feedback will be given in terms of quiz scores. Instructors will go through the common mistakes made, provide answers to clarify the mistakes and provide you with guidance that strengthens your understanding of the complex concepts.
- This course would be an interactive course where you would be individually graded based on participation during the class (e.g. questions raised) and case studies (e.g. presentations on findings and feedback).
- The final team assignment would be another indicator of how each of you are progressing through the course. The team assignment and presentation would also allow me to provide feedbacks to you on your findings and ideas, and soft skills (e.g. negotiation abilities, presentation skills)

NTU Graduate Attributes/Competency Mapping

This course intends to develop the following graduate attributes and competencies (maximum 5 most relevant)

Attributes/Competency	Level
Collaboration	Basic
Communication	Basic
Developing People	Basic
Sense Making	Basic
Project Management	Basic

Course Policy

Policy (Academic Integrity)

Good academic work depends on honesty and ethical behaviour. The quality of your work as a student relies on adhering to the principles of academic integrity and to the NTU Honour Code, a set of values shared by the whole university community. Truth, Trust and Justice are at the core of NTU's shared values. As a student, it is important that you recognize your responsibilities in understanding and applying the principles of academic integrity in all the work you do at NTU. Not knowing what is involved in maintaining academic integrity does not excuse academic dishonesty. You need to actively equip yourself with strategies to avoid all forms of academic dishonesty, including plagiarism, academic fraud, collusion and cheating. If you are uncertain of the definitions of any of these terms, you should go to the academic integrity website for more information. On the use of technological tools (such as Generative AI tools), different courses / assignments have different intended learning outcomes. Students should refer to the specific assignment instructions on their use and requirements and/or consult your instructors on how you can use these tools to help your learning. Consult your instructor(s) if you need any clarification about the requirements of academic integrity in the course.

Policy (General)

You are expected to complete all assigned pre-class readings and activities, attend all seminar classes punctually and take all scheduled assignments and tests by due dates. You are expected to take responsibility to follow up with course notes, assignments and course related announcements for seminar sessions they have missed. You are expected to participate in all seminar discussions and activities. Punctuality will be appreciated. Walking in midway is disruptive. Questions and debate are encouraged.

Policy (Absenteeism)

Requires you to be in class to contribute to team work. In-class activities make up a significant portion of your course grade. Absence from class without a valid reason will affect your overall course grade. Valid reasons include falling sick supported by a medical certificate and participation in NTU's approved activities supported by an excuse letter from the relevant bodies. There will be no make-up opportunities for in-class activities. If you miss a seminar session, you must inform your team members and me via email prior to the start of the class.

Policy (Others, if applicable)

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Last Updated By: Zhu Wenjun (Assoc Prof)