

# **MTM333 Shipping Finance Management and Analytics**

**Level:** 3

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JAN

## **Synopsis:**

The ship finance sector is an important maritime service which interacts closely with the maritime industry. LOG333 Shipping Finance Management and Analytics will introduce students to the various roles played by ship financing in influencing decisions ranging from newbuilding, shipping operations, sale and purchase, and managing risks in ship investments. Students will also be exposed to the increasing role of big data analytics in the shipping finance industry. At the end of the course, students will be able to understand the workings of the ship finance sector and appreciate the concerns of shipowners and shipping corporations with regards to their ship financing decisions.

## **Topics:**

- Introduction to ship financing
- Ship life cycle and the maritime value chain
- Financing options in shipping
- Newbuilding contracts and shipbuilding finance
- Deal structuring, securitisation, and cost of capital
- Mergers and acquisitions in shipping
- Valuation of ships
- Appraisal of shipping investments
- Managing risks in ship investments
- Dealing with non-performing loans
- Financial modelling for shipping investments
- Fintech and role of big data in shipping finance

## **Textbooks:**

MTM333 Study Guide (UDC - SUSS) SUSS  
ISBN-13: SG-2168

**Learning Outcome:**

- Indicate the role of ship finance in ship life cycles and the maritime value chain.
- Illustrate financing options in shipping and shipbuilding.
- Analyse the impact of deal structuring and cost of capital in shipping mergers and acquisitions.
- Examine shipping investments and ship valuations.
- Propose strategies to manage risks in ship investments and to deal with non-performing loans.
- Appraise financial models for shipping investments.

**Assessment Strategies - Regular Semester (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	PRE-CLASS QUIZ 3	2
	PARTICIPATION 1	6
	TUTOR-MARKED ASSIGNMENT 1	18
	GROUP BASED ASSIGNMENT 1	20
Overall Examinable Components	Written Exam	50
<b>Total</b>		<b>100</b>

\*The information listed is subject to review and change.