

# BSc Financial Mathematics BSc Economics & Mathematics

Welcome to your programme  
2023-2024



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### **Research:**

financial mathematics, mathematical economics, optimisation, game theory,  
probability, machine learning

Interrupt if you have questions

## BSc Financial Mathematics

## BSc Economics & Mathematics

- Overview of programmes
- What makes a successful student
- Important information



## BSc Financial Mathematics

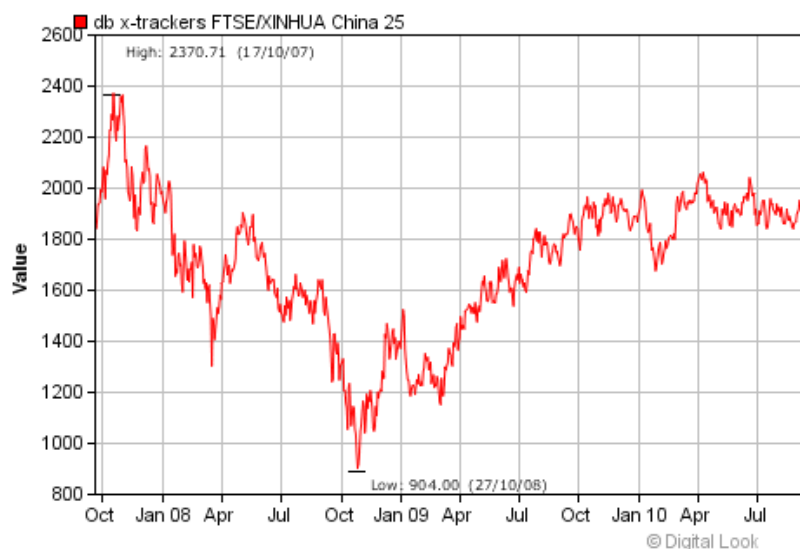
## BSc Economics & Mathematics

- **Overview of programmes**
- What makes a successful student
- Important information



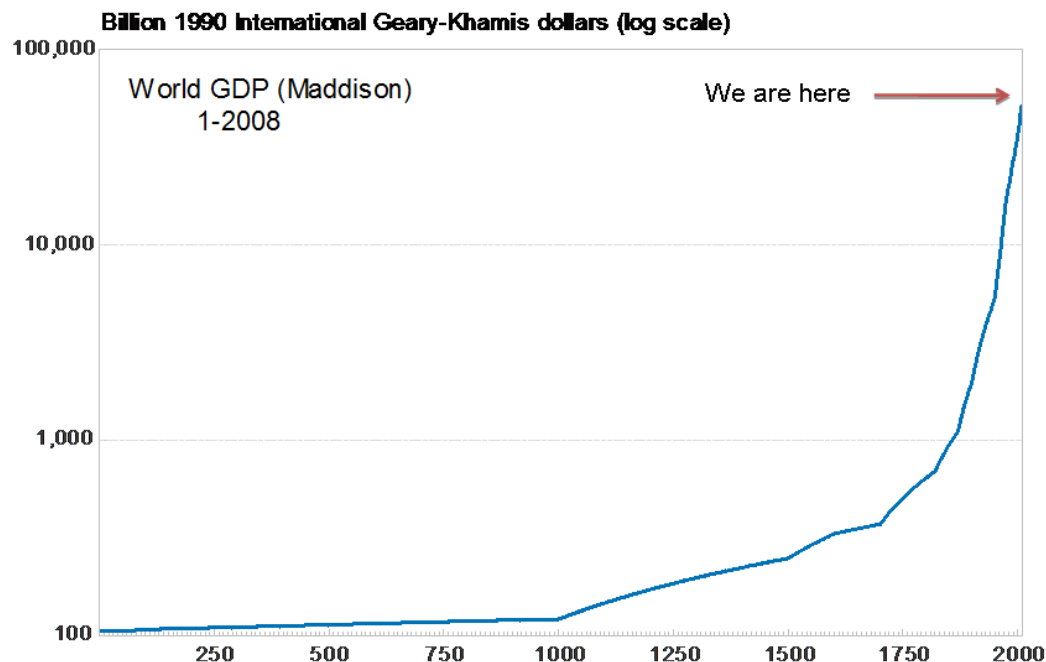
- **Understanding the financial side** of the world:

- financial markets and products
- estimation and management of risk
- interaction between firms and finance
- numerical methods and programming



- **Understanding the economic side** of the world:
  - **Theories**: micro/macro-economics, labour and industrial economics
  - **Tools for practical analysis**: statistics/numerical methods

**Chart 1: Economic prosperity is a relatively new phenomenon**





- To prepare you for a **career** in the **private and public** sector / academia (MSc)
- To provide you with a solid **mathematical background** and knowledge in **finance / economics**
- To offer **support** and **encouragement** to succeed in **your studies**
- To give you the best by **joining the expertise** of the School of Mathematics (MATH) and Leeds University Business School (LUBS)

# The biggest challenge!



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## **Two worlds:**

**Natural science**

**&**

**Social science**

and **you** will have to become an expert  
in both!





**BSc Financial Mathematics** (single honours programme)

MATH (66%), LUBS (34%)

**BSc Economics and Mathematics** (joint honours programme)

roughly MATH (50%), LUBS (50%) in years 2-3

but

a lot of flexibility



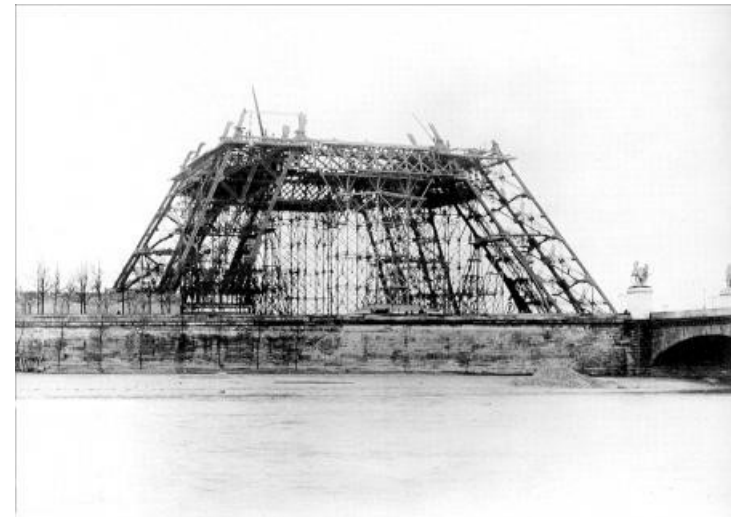
**School of Mathematics:**  
you already know a little

**Leeds University Business School (LUBS):**

.....

## BSc Financial Mathematics BSc Economics & Mathematics

- Overview of the programme
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# University can be a challenge



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**Away** from home ...

... in a different **country**, **culture**  
and **language**.

**Classmates** with different backgrounds ...

... the need for **self-studies** ...



**Some things will be easy, some will be difficult**

**=> end of year 1: same background**

# What makes a successful student?



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## Golden Rules

- Focus on your studies
- **Attend all lectures and tutorials**
- Try your best **to do all exercises**
- Talk to other students
- Work in study groups
- Don't party too much!



# 'Work hard, play hard' myth



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Play hard

**Fail**

**Very  
difficult to  
find the  
balance**

Work hard

**Succeed**



## BSc Financial Mathematics

## BSc Economics & Mathematics

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You live in **2 worlds**:

Maths and LUBS

- 'Rules' may differ
- Teaching arrangements are different!
- Expectations are different



# Second challenge: Time table



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You have a **personal time table**

You will need to check your timetable

- it is personal and *can change from week to week*

## Third challenge: email



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Read (*not just check*) your university **email** at least once a day!

You can set it up on your phone.

# Where, how, what?



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## ***Main point of contact***

- Student Information Service

[https://students.leeds.ac.uk/info/10101/welcome/1665/student\\_information\\_service](https://students.leeds.ac.uk/info/10101/welcome/1665/student_information_service)

## ***Minerva organisation Mathematics***

- Student handbook and a lot more. Your go-to place for information.
- Who to talk to?
- Your programme

## ***Programme Catalogue***

- What to expect next on your programme
- Planning ahead



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**... and good luck, Jan.**



# Questions?