BSC FINANCIAL MATHS AND ECON & MATHS

PROGRAMME MEETINGS FOR Y1 AND Y2 STUDENTS

Get in touch!

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(Programme Coordinator)

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(These slides are on my webpage, tab *Teaching*)

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INITIAL COMMENTS

➢ **I hope exams went well!**

➢ **We are aware of problems with enrolment and were doing what we could to increase capacity of LUBS modules.**

➢ **Some of the advice on enrolment may be quite late but hopefully still useful.**

OUTLINE

- **Exams and PFP**
- **Enrolment/Timetable clashes**
- **Module Choices**
- **Year in Industry & Year Abroad**
- **Questions – interrupt any time (don't put on chat as I will not see it as long as I am sharing the screen)**

EXAMS AND PFP (FOR REREFERENCE)

- ➢ **PFP (Pass for Progression)**
- ➢ **Undergraduate resources: Minerva, Organisation Mathematics**
- ➢ **Exams: see *Exams and Assessment***

MODULE ENROLMENT

➤ **Catalogue for 2021/22 already released**

➤ **You might struggle to enrol on optional LUBS modules, so be quick!**

➤ **Not all module combinations possible - timetable clashes might occur. Your responsibility is to avoid them.**

  – **Attendance of all teaching sessions for all modules is compulsory.**

  – **Timetable clash is not a mitigating circumstance.**

➤ **Think what you find interesting and what will help you with your career.**

MODULE CHOICES

- **Consistent choice of modules:**
  - To push you into a successful career in finance, insurance and related fields

  - To employ you with the skills needed to outperform other candidates

  - To make the most of your time at the University of Leeds
- **Consult your personal tutor if in any doubt.**
- **Check Organisation *Mathematics → Programme & Module Information → Module Information***
  - Pre-requisites

  - Module mapping tool (to help with pre-requisites)

  - MATH3001 project information

RECOMMENDATIONS

➢ **Recommended (not compulsory) pools of modules**

➢ **This is advice**

➢ **Will make you a specialist in:**

  – **Statistical methods in finance and beyond, or**

  – **Numerical methods in finance and beyond, or**

  – **Economics – statistics needed**

BSC FINANCIAL MATHEMATICS

Statistics

- Quantitative analysis
- Risk management (data analysis)
- Market research
- Customer research/marketing

Numerics

- Quantitative design
- Risk management (computations)
- High-end modelling
- Design/pricing of financial/actuarial instruments

RECOMMENDATIONS: FM - STATISTICS

MATH2080 Further Linear Algebra

MATH2740 Environmental Statistics

MATH2775 Survival Analysis

MATH2920 Computational Mathematics

MATH3714 Linear Regression and Robustness

MATH3723 Statistical Theory

MATH3772 Multivariate Analysis

MATH3823 Generalised Linear Models

RECOMMENDATIONS: FM - NUMERICS

MATH2017 Real Analysis

MATH2080 Further Linear Algebra

MATH2365 Vector Calculus

MATH2375 Linear Differential Equations and Transforms

MATH2600 Numerical Analysis/MATH2601 Numerical Analysis with Computation

MATH2920 Computational Mathematics

MATH3414 Analytic Solutions of Partial Differential Equations

MATH3474 Numerical Methods/MATH3475 Modern Numerical Methods

BSC ECONOMICS & MATHEMATICS

- **Quantitative analysis**
- **Economic/financial forecasting**
- **Market research**
- **Customer research/marketing**
- **Strategic design**

RECOMMENDATIONS: ECONOMICS

MATH2080 Further Linear Algebra

MATH2535 Financial Mathematics: Risk

MATH2545 Financial Mathematics: Markets

MATH2740 Environmental Statistics

MATH2750 Introduction to Markov Processes

MATH3714 Linear Regression and Robustness

MATH3734 Stochastic Calculus for Finance

MATH3772 Multivariate Analysis

MATH3802 Time Series

MATH3823 Generalised Linear Models

YEAR IN INDUSTRY & YEAR ABROAD

Year In Industry:

➢ **Students going to Y2: think about it. It increases your employability incredibly!**

➢ **Students going to Y3: Probably too late but not impossible.**

➢ **YII coordinator matindp@leeds.ac.uk**

Year Abroad:

➢ **Spend your third or fourth (E&M only) year in another country**

➢ **Language and cultural benefits; employability**

➢ **YA coordinator Maths-Study-Abroad@leeds.ac.uk (also LUBS option for E&M)**

FINAL YEAR PROJECT

- **Economics and Mathematics**
  - **LUBS3302 Economics Joint Honours Final Year Project (30 credits, Sem 1&2) – LUBS2430 is a pre-requisite**
  - **MATH3001 Project in Mathematics (20 credits, Sem 1&2)**

- **Financial Mathematics**
  - **MATH3001 Project in Mathematics (20 credits, Sem 1&2)**

MATH3001 – PROJECT IN MATHEMATICS

- **Final year project (compulsory)**
- **20 credits!**
- **Presentations/report/research**
- **A long project – starts at the beginning of term 1 and lasts until March**
- **Attention! <u>Preferences must usually be submitted before the start of semester 1.</u>**

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Question time

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