PHAS0012 – Computing for Mathematical Physics

Dr Jasvir Bhamrah (Coordinator)

Prof Nick Achilleos
Dr Keith Hamilton
Abbie Bray
Jianhua Zhu
Zach Weller-Davies

Course Organisation

- All material delivered via Moodle – check you are enrolled

- Use **only** Mathematica 12.0

- 10 Sessions

- 9 Teaching sessions

  - 45 - 60 minute demonstration lecture

  - Class exercises

  - Homework

- Exam: final session (24th March)

- Reading week 17th February

Computing Sessions

- 2pm - General feedback from homework assignments

- Listen to the screencast with accompanying lecture notes – bring headphones

- Start exercises from Moodle

- Short talk – hints/tips etc.

- Complete exercises

- Demonstrators available to help – please ask!

- Check your answers with the demonstrators

Assessment

8 homeworks released 6:30pm Tuesday

- 40% of overall mark for the course

- Due in 4pm on the Monday after the class

- Use **only Mathematica 12.0** to avoid loss of marks

- Use the **template** on Moodle for your answers

- You **must** complete the section detailing **feedback you are using** – otherwise marks will be deducted

- Submitted via Moodle – follow instructions carefully

- Always remove the output before submission

Assessment

- Homework 1 – 6:30pm
- Homework 1 mark scheme – 6:30pm

Exam in final session

- 60% of overall mark for the course
- **Exam conditions**
- Read instructions on the Moodle page carefully
- Results released with other exams (June)

Plagiarism

- It is fine to discuss your in-class exercises with your colleagues (and course tutors)

- Ask questions via the Forum for PHAS0012 on Moodle

- Your homework should be worked on **by yourself**

- We will be checking for plagiarism and penalising accordingly

- Check UCL Plagiarism guidelines on the overview page

Solutions

- Solutions to the class exercises available after the class

- Solutions to homework assignments for each lecture will be posted on Moodle *only* after return of marks

- Course tutors will only discuss homework questions <u>after</u> the deadline

Tips for passing this course

- Do the in-class exercises!

- Read the solutions to the in-class exercises.

- Read your homework feedback and worked solutions and **reflect** on where you've lost marks **before** attempting the next homework.

- Seek further feedback from course tutors on coursework if you're not clear on why you lost marks

- Revisit previous homework, exercises, and lecture notes when you get stuck.

- Make sure you struggle before looking at a provided solution!

- Integrate Mathematica use with your other courses – every week use Mathematica to explore equations you meet in your other courses.

- Make extensive use of the documentation and help included with Mathematica and available online. Make use of other online resources.

Attendance Monitoring

Text to: 020 71 83 83 29

email to: sms@textwall.co.uk

Post on: http://textwall.co.uk/post

uclpa student number,CODE,4KEY
14th January: **usne**