

Deadlines

You are asked to work in groups of 3. You will receive your group member notifications by the end of Week 2. Contact me (arnau.rios@fqa.ub.edu) if you foresee any issues.

Essay on a Landmark Paper

Your completed essay should be submitted by

10pm, Wednesday 11th October 2023.

Each group should submit one single essay. The submission is *electronic*, via the [Campus Virtual](#) only. Please make sure your assignment is uploaded as a *single* Word or PDF file by the deadline. Note that only *one upload* is allowed, so make sure you only submit your very final version.

Presentation

The mini-conference will take place on the standard timetabled 2h session starting at

10am, Tuesday 17th October 2022.

Please **upload** the talk at the [Campus Virtual](#) for marking purposes (this can be done right after the presentation).

Peer assessment

The forms for peer assessment are available in the Coursework Information folder at the [Campus Virtual](#). You should download the form and mark the work of your 2 peers, following the template. Keep in mind that all marks need to be justified in writing. Save the document and upload it into the Coursework folder. The deadline for upload is:

10pm, Friday 20th October 2022.

The submission is *electronic*, via the [Campus Virtual](#) only. The mark for each student will be an average of the mark coming from their peers.

Coursework submitted late will be subject to penalty. Your report will be run through plagiarism software Turnitin.

Coursework details

The assessed coursework has 3 components:

1. A 4-page letter **essay** on a landmark paper of quantum mechanics. You should put the landmark paper in historical context, and describe its importance at the time and after it was published. You should also show evidence of having reproduced the arguments of the paper, either with numerical tools or updated figures. Your essay should be written in scientific style, using references to back up evidence and should include figures. This is **40 %** of the total coursework mark and the marking scheme will be available on the [Campus Virtual](#).
2. A 10-minute **presentation** during a mini-conference organised in a standard course session. This will amount **40 %** towards your coursework mark. The marking scheme is also available in the [Campus Virtual](#).
3. A **peer assessment** to be submitted according to a template on the [Campus Virtual](#). You will mark the contribution of each peer to the coursework components following scheme template. You are expected to work in groups of **3**, so each of you will have to submit a form for 2 of your peers. This will count **20 %** towards the final coursework mark.

All marking schemes are or will be available on the Coursework Information folder at the [Campus Virtual](#).

Essay

The essay should have a maximum of 4 pages (approximately **3500** words), excluding references. It should be written in a scientific style. Format is free, but the use of the LaTeX template uploaded in the [Campus Virtual](#) is recommended. The essay would normally follow the standard structure including the following sections:

1. An **introduction**, describing the historical setting of the landmark paper at the time
2. **Description** of the paper and its main results
3. **Discussion** of the relevance of the paper and evidence of having **reproduced** some of its content on your own
4. **Bibliography**

Keep in mind you need to justify and argue your ideas, in a way that gives a coherent theme running through the paper. Back up your information with scientific, academic references (avoid Wikipedia).

You will be marked on Command of the Subject (35 %), Argumentation & Language (35 %), Format (15 %) and Referencing (15 %). Pay particular attention in communicating your ideas well, but also do describe the scientific context of the time when the paper was published.

Your completed coursework should be submitted by **Wednesday 11th October 2023**. The submission is electronic via the [Campus Virtual](#). If you have any questions about the assignment, please do let me know by email or speak to me during class.

Presentation

We will run a mock research mini-conference on the session of Week 4 on **Tuesday 17th October 2022**. You will be expected to give an ≈ 10 minute presentation describing the landmark paper and the conclusions of your essay. All students will attend the conference. Everyone is expected to ask questions - just as you would do in a standard research conference!

The presentation can either be given by one single appointed member of the group, or as a shared presentation. Keep in mind you should address the same points as the research paper: a good justification of the context of the landmark paper and how you have chosen to reproduce it.

The Marking Sheet for the presentation is available in SurreyLearn. The quality of the slide content, as well as the quality of the delivery will be marked.

Peer assessment

The peer group assessment is designed to provide some weight to individual contributions within a group. Additional marks will be provided to students that have contributed positively within the group according to their peers. Conversely, students that contribute below peer's expected averages, will have lower marks in this component.

One of the advantages of working as a member of a team is that you can all benefit from each other's strengths. The purpose of this exercise is to give recognition to the contributions that individuals make to the working of a group. In this peer marking exercise, you should:

- Read the example peer marking file, to understand how the process works.
- Fill the tables in the form **individually** to assess the relative contribution of each group member in each category.
- Provide a **justification** in the comment box on the form, using the evaluation criteria provided. Forms without specific written comments will not be accepted.

Free riding is to be **avoided** whenever possible. I encourage you to contact me via email (arnau.rios@fqa.ub.edu) if any issues arise around this peer assessment exercise. If you are a group member and suspect that another member is not contributing at the expected level, I would like to engage in an open discussion. Students that do not contribute will not only get a low peer assessment mark, but risk affecting their peer's marks on the paper and the presentation.

Your peer's final mark should be the sum of the 5 marks in the different categories and counts 20% of the final coursework mark. The mark for each student will be an average of the mark coming from his/her two other peers.

You should upload to the **Campus Virtual** a single document containing the assessment of your 2 group members by **Friday 20th October 2022**.