

# Fourth Year Physics (MPhys) 22/23

## Modules & Assessments

### Modules

- **Research Project** – CRN 34049 – 60 Credits

Students will be given formal tuition in research methods that will prepare them for the initial production of a research proposal, literature review, project planning and report writing, etc. The project occupies at least ten hours of each week in both semesters of the final year. The student is required to meet a variety of deadlines, such as providing an initial project proposal, an interim report, providing an abstract for the external examiner and submitting the final report.

- **Advanced Quantum Mechanics** – CRN 34048 – 30 Credits

Exercises/Report 40%. Due T1 week 12, Fri 09 Dec 2022

Exam 60%. During Dec exam period, T1 week 13, Mon 12 Dec – Fri 16 Dec 2022

- **Thin Films and Materials Characterisation** – CRN 34050 – 30 Credits

Lab/Report 40%. Due T2 week 12, Fri 28 Apr 2023

Exam 60%. During exam period of T2 weeks 12 & 13, Mon 24 Apr – Fri 05 May

### Research Project Components

#### Portfolio 1

Research Methods (Written Assignment and Presentations) 30%

#### Portfolio 2

Project Outputs, Dissertation and Oral Assessment 70%

### Sample Deadlines

Research Proposal. Due T1 week 07 (07), Fri 04 Nov 2022

Progress Report. Due T1 week 12 (12), Mon 05 Dec 2022

Progress Report - Oral Presentation. T2 week 03 (20), starting Mon 30 Jan 2023

Project Journal & Final Report. Due T2 week 11 (31), Fri 21 Apr 2023

Oral Exam in May. See Project Guide for more deadlines.

# Academic Year by Week 2022/23

# Fourth Year MPhys Assessments

week begins (Monday)	trimesters	timetable wk no	pool rooms bookable for teaching and revision	
12 September 2022	<i>Welcome/Induction</i>	0		
19 September 2022	<b>Trimester 1</b>	1	✓	
26 September 2022	<b>Trimester 1</b>	2	✓	
3 October 2022	<b>Trimester 1</b>	3	✓	
10 October 2022	<b>Trimester 1</b>	4	✓	
17 October 2022	<b>Trimester 1</b>	5	✓	
24 October 2022	<b>Trimester 1</b>	6	✓	
31 October 2022	<b>Trimester 1</b>	7	✓	<b>Research Proposal</b>
7 November 2022	<b>Trimester 1</b>	8	✓	
14 November 2022	<b>Trimester 1</b>	9	✓	
21 November 2022	<b>Trimester 1</b>	10	✓	
28 November 2022	<b>Trimester 1</b>	11	✓	
5 December 2022	<b>Trimester 1</b>	12	✓	<b>Progress Report + Adv Quant Mech Report</b>
12 December 2022	<b>Trimester 1</b>	13	✓	<b>Advanced Quantum Mechanics Exam</b>
19 December 2022	<i>Christmas Vacation</i>	14		
26 December 2022	<i>Christmas Vacation</i>	15		
2 January 2023	<i>Christmas Vacation</i>	16		
9 January 2023	<i>Welcome/Induction</i>	17		
16 January 2023	<b>Trimester 2</b>	18	✓	
23 January 2023	<b>Trimester 2</b>	19	✓	
30 January 2023	<b>Trimester 2</b>	20	✓	<b>Oral Progress Presentation</b>
6 February 2023	<b>Trimester 2</b>	21	✓	
13 February 2023	<b>Trimester 2</b>	22	✓	
20 February 2023	<b>Trimester 2</b>	23	✓	
27 February 2023	<b>Trimester 2</b>	24	✓	
6 March 2023	<b>Trimester 2</b>	25	✓	
13 March 2023	<b>Trimester 2</b>	26	✓	
20 March 2023	<b>Trimester 2</b>	27	✓	
27 March 2023	<i>Easter Vacation</i>	28		
3 April 2023	<i>Easter Vacation</i>	29		<i>(Bank Holiday Friday)</i>
10 April 2023	<i>Easter Vacation</i>	30		<i>(Bank Holiday Monday)</i>
17 April 2023	<b>Trimester 2</b>	31	✓	<b>Project Journal &amp; Final Report</b>
24 April 2023	<b>Trimester 2</b>	32	✓	<b>Thin Films &amp; MatChar (TFMC) Lab/Report</b>
1 May 2023	<b>Trimester 2</b>	33	✓	<i>(Bank Holiday Monday)</i> <b>TFMC Exam + Project Oral Exam</b>
8 May 2023	<i>Inter-Tremester Break</i>	34		
15 May 2023	<i>Inter-Tremester Break</i>	35		
22 May 2023	<i>Inter-Tremester Break</i>	36		
29 May 2023	<i>Welcome/Induction</i>	37		<i>(Bank Holiday Monday)</i>
5 June 2023	<b>Trimester 3</b>	38	✓	
12 June 2023	<b>Trimester 3</b>	39	✓	
19 June 2023	<b>Trimester 3</b>	40	✓	
26 June 2023	<b>Trimester 3</b>	41	✓	
3 July 2023	<b>Trimester 3</b>	42	✓	
10 July 2023	<b>Trimester 3</b>	43	✓	
17 July 2023	<b>Trimester 3</b>	44	✓	
24 July 2023	<b>Trimester 3</b>	45	✓	
31 July 2023	<b>Trimester 3</b>	46	✓	
7 August 2023	<b>Trimester 3</b>	47	✓	
14 August 2023	<b>Trimester 3</b>	48	✓	
21 August 2023	<b>Trimester 3</b>	49	✓	
28 August 2023	<b>Trimester 3</b>	50	✓	<i>(Bank Holiday Monday)</i>
4 September 2023				
11 September 2023	<i>Welcome/Induction</i>	0		