

NASSP and PHYSICS Honours Timetable – Semester 2 – 2018

Modules

Q3

PHYS 737 Advanced Topics in Quantum Mechanics (2P)

– Quantum Information (QI) – Prof. Francesco Petruccione

PHYS 739 Advanced Topics in Applied Physics (APP) (1P)

– Dr. Malevu, Dr. Ismail and **Dr. Alan Matthews**

PHYS 723 Advanced Topics in Plasma Physics (PLASMA1) (2P+2N)

– **Dr. Suleman Moola**

PHYS 725 Advanced Topics in Astronomy and Astrophysics (ASTRO1) (6N) – **Prof. Yin-Zhe Ma**

PHYS 722 Advanced Topics in Space Science (SPACE1) (4N)

– Dr. Sibusiso Mthembu and **Prof. Siva Venkataraman**

MATH 732 Cosmology (COS) – **Prof. Subharthi Ray (MATHS SEMINAR ROOM)**

Modules

Q4

PHYS 737 Advanced Topics in Quantum Mechanics – Quantum Optics (QO) – **Prof. Mark Tame**

PHYS 739 Advanced Topics in Applied Physics (APP) – – Dr. Malevu, Dr. Ismail and Dr. Alan Matthews

PHYS 723 Advanced Topics in Plasma Physics (PLASMA2) – Prof. Richard Mace

PHYS 725 Advanced Topics in Astronomy and Astrophysics (ASTRO2) – Dr. Robert J Czanik

PHYS 722 Advanced Topics in Space Science - Space (SPACE2)

– Dr. Zolile Mtumela, Dr. Judy Stephenson and Dr Zama Katamzi

Note

- 1) Number of students registered for module are given in the bracket (2P+2N : 2 Physics and 2 NASSP students)
- 2) Module representative academic are given in bold and underlined.
- 3) Each module scheduled for 48 L (24 L + 24 L) in total (together with tutorials and test). However, the academic may change the number of lecture and tutorials accordingly (for e-g 18 L + 6 T or 20 L + 4 T, or ..)
- 4) The lecture venue for PHYSICS and NASSP module is PHYSICS seminar room.
- 5) The lecture venue for MATH 732 (Cosmology) is MATHS Seminar room

Periods

Period 1 (07.45-08.30), Period 2 (08.40-09.25), Period 3 (09.35-10.20), Period 4 (10.30-11.15),

Period 5 (11.25-12.10), Period 6 (12.20-13.05), Period 7 (13.15-14.00), Period 8 (14.10-14.55),

Period 9 (15.05-15.50), Period 10 (16.00-16.45), Period 11 (16.55-17.40).

Timetable

Mon 16 July – Fri 20 July (week 1)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE1		
3	QI	PLASMA1	SPACE1	QI	ASTRO1
4	QI	PLASMA1	APP	QI	ASTRO1
5	COS/SPACE1		COS/APP	PLASMA1	COS
6	COS/SPACE1		COS	PLASMA1	COS
7		ASTRO1			
8	APP	ASTRO1	ASTRO1	NASSP SEMINAR	
9	APP		ASTRO1	NASSP SEMINAR	

Mon 23 July – Fri 27 July (week 2)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE1		
3	QI	PLASMA1	SPACE1	QI	ASTRO1
4	QI	PLASMA1	APP	QI	ASTRO1
5	COS/SPACE1		COS/APP	PLASMA1	COS
6	COS/SPACE1		COS	PLASMA1	COS
7		ASTRO1			
8	APP	ASTRO1	ASTRO1	NASSP SEMINAR	
9	APP		ASTRO1	NASSP SEMINAR	

Mon 30 July – Fri 3 Aug (week 3)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE1		
3	QI	PLASMA1	SPACE1	QI	ASTRO1
4	QI	PLASMA1	APP	QI	ASTRO1
5	COS/SPACE1		COS/APP	PLASMA1	COS
6	COS/SPACE1		COS	PLASMA1	COS
7		ASTRO1			
8	APP	ASTRO1	ASTRO1	NASSP SEMINAR	
9	APP		ASTRO1	NASSP SEMINAR	

SPACE1 – Dr. Sibusiso Mthembu (PMB)

Mon 6 Aug – Fri 10 Aug (week 4)

Period	Mon	Tues	Wed	Thu	Fri
2					
3	QI	PLASMA1	SPACE1		ASTRO1
4	QI	PLASMA1	SPACE1		ASTRO1
5	COS/SPACE1	QI	COS		COS
6	COS/SPACE1	QI	COS		COS
7		ASTRO1			
8	APP	ASTRO1	ASTRO1		APP
9	APP		ASTRO1		APP

SPACE1 – Dr. Sibusiso Mthembu (PMB)

Mon 13 Aug – Fri 17 Aug (week 5)

Period	Mon	Tues	Wed	Thu	Fri
2			<u>SPACE1</u>		<u>SPACE1</u>
3	QI	PLASMA1	<u>SPACE1</u>	QI	<u>SPACE1</u>
4	QI	PLASMA1	APP	QI	
5	COS/SPACE1		COS/APP	PLASMA1	COS
6	COS/SPACE1		COS	PLASMA1	COS
7		ASTRO2			
8	APP	ASTRO2	ASTRO2	NASSP SEMINAR	
9	APP		ASTRO2	NASSP SEMINAR	

Mon 20 Aug – Fri 24 Aug (week 6)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE1		
3	QI	PLASMA1	SPACE1	QI	
4	QI	PLASMA1	APP	QI	
5	COS/SPACE1		COS/APP	PLASMA1	COS
6	COS/SPACE1		COS	PLASMA1	COS
7		ASTRO2			
8	APP	ASTRO2	ASTRO2	NASSP SEMINAR	
9	APP		ASTRO2	NASSP SEMINAR	

Mon 27 Aug – Fri 31 Aug (week 7)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE2		
3	QO	SPACE2	SPACE2	QO	<u>QI</u>
4	QO	SPACE2	APP	QO	<u>QI</u>
5	COS/SPACE2	PLASMA1	COS/APP	SPACE 2	<u>COS/APP</u>
6	COS/SPACE2	PLASMA1	COS	SPACE 2	<u>COS/APP</u>
7					
8	APP	ASTRO2	PLASMA 1 ₂	NASSP SEMINAR	SPACE2
9	APP	ASTRO2	PLASMA 1 ₂	NASSP SEMINAR	SPACE2

SPACE 2: Dr. Zama (SANSA)

Mon 3 Sept – Fri 7 Sept (week 8)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE2		
3	QO	ASTRO2	SPACE2	QO	<u>QI(TEST)</u>
4	QO	ASTRO2	APP	QO	<u>QI(TEST)</u>
5	COS/SPACE2	PLASMA 1 ₂	COS/APP	PLASMA 1 ₂	<u>COS/APP</u>
6	COS/SPACE2	PLASMA 1 ₂	COS	PLASMA 1 ₂	<u>COS/APP</u>
7					
8	APP		ASTRO2	NASSP SEMINAR	
9	APP		ASTRO2	NASSP SEMINAR	

Mon 10 Sept – Fri 14 Sept (week 9)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE2		
3	QO	ASTRO2	SPACE2	QO	<u>QI</u>
4	QO	ASTRO2	APP	QO	<u>QI</u>
5	COS/SPACE1	PLASMA2	COS/APP	PLASMA2	<u>COS/APP</u>
6	COS/SPACE1	PLASMA2	COS	PLASMA2	<u>COS/APP</u>
7					
8	APP	PLASMA1	ASTRO2	NASSP SEMINAR	
9	APP	PLASMA1	ASTRO2	NASSP SEMINAR	

Mid-term Break (Sat 15 Sept – Mon 24 Sept)

Mon 24 Sept – Fri 28 Sept (week 10)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE2		
3		ASTRO2	SPACE2	QO	<u>QI</u>
4		ASTRO2	APP	QO	<u>QI</u>
5		<u>PLASMA2</u>	COS/APP	PLASMA2	COS
6		<u>PLASMA2-QO</u>	COS	PLASMA2	COS
7		QO			
8		<u>PLASMA2-QO</u>	ASTRO2	NASSP SEMINAR	APP
9		<u>PLASMA2</u>	ASTRO2	NASSP SEMINAR	APP

Mon 1 Oct – Fri 5 Oct (week 11)

Period	Mon	Tues	Wed	Thu	Fri
2			SPACE2		
3	QO	ASTRO2	SPACE2	QO	<u>QI</u>
4	QO	ASTRO2	APP	QO	<u>QI</u>
5	COS/SPACE2	<u>PLASMA2</u>	COS/APP	<u>PLASMA2</u>	COS
6	COS/SPACE2	<u>PLASMA2</u>	COS	<u>PLASMA2</u>	COS
7					
8	APP	<u>PLASMA2</u>	PLASMA2	NASSP SEMINAR	
9	APP	<u>PLASMA2</u>	PLASMA2	NASSP SEMINAR	

Mon 8 Oct – Fri 12 Oct (week 12)

Period	Mon	Tues	Wed	Thu	Fri
2			<u>SPACE2</u>		
3	QO		<u>SPACE2</u>	QO	
4	QO		APP	QO	
5	COS/APP	PLASMA2	COS/APP	<u>PLASMA2</u>	COS
6	COS/APP	PLASMA2	COS	<u>PLASMA2</u>	COS
7					
8			PLASMA2		
9			PLASMA2		

Mon 15 Oct – Fri 19 Oct (week 13)

Period	Mon	Tues	Wed	Thu	Fri
2					PROJECT PRESENTATIONS
3	PLASMA2				PROJECT PRESENTATIONS
4	PLASMA2				PROJECT PRESENTATIONS
5	COS	<u>PLASMA2</u>	COS		PROJECT PRESENTATIONS
6	COS	<u>PLASMA2</u>	COS		PROJECT PRESENTATIONS
7					
8					
9					

** Project Presentations are for both NASSP and PHYSICS Honour's students.