

Document code	Mapping course intended learning outcomes into program outcomes and level descriptors of JNQF	Approval date
SMP-2024-7		01-2024

Program	Master of Physics	Department	Physics
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Course code	Course Name	Knowledge			Skills				Competencies				
		K1	K2	K3	S1	S2	S3	S4	C1	C2	C3	C4	C5
Advanced Mathematical Physics 1	0302701	✓	✓	✓	✓	✓	✓		✓		✓		
Advanced Classical Mechanics	0302711	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Advanced Electrodynamics 1	0302721	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Advanced Statistical Mechanics	0302741	✓	✓	✓	✓	✓	✓		✓		✓		
Advanced Quantum Mechanics	0302751	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Atomic And Molecular Physics	0302752	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Advanced Solid State Physics	0302771	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Advanced Nuclear Physics	0302781	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Advanced Mathematical Physics 2	0302702	✓	✓			✓		✓		✓		✓	
Computational Physics	0302705	✓		✓		✓	✓	✓	✓	✓	✓		✓
Astrophysics	0302713	✓	✓	✓		✓	✓	✓		✓	✓	✓	
Advanced Electrodynamics 2	0302722	✓	✓	✓	✓	✓	✓	✓	✓	✓			

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Quantum Field Theory	0302753	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medical Physics	0302760	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Material Physics	0302772	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semiconductor Physics	0302773	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiation Physics	0302782	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Elementary Particles Physics	0302783	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Methods Of Experimental Physics	0302790	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Methodology Of Research In Physics	0302791	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Special Topics In Physics	0302793	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>