

## Courses offered for PhD Student Exchange Programme For Semester 2 of AY2023/2024 (January-May 2024 cycle)

## Notes:

- List is subject to changes without prior notice. Courses that do not appear in this list are not available for exchange students.
- For course outline, pre-requisites, workload, timetable information, please visit [NUSMODS website](#). Timetable for Semester 1 of the new academic year will be published in mid-July.
- For more course information, please visit [LumiNUS](#) and select the course in past academic year and semester.

College/Faculty/School	Department	Course Code	Course Title	Courses Class	Class Schedule
College of Design and Eng	Biomedical Engineering	BN5201	Advanced Biomaterials	L1	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Biomedical Engineering	BN5203	ADVANCED TISSUE ENGINEERING	L1	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Biomedical Engineering	BN6401	Advanced Quantitative Fluorescence Microscopy	L1	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Chemical & Biomolecular Eng	CN5111	OPTIMIZATION OF CHEMICAL PROCESSES	L1	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Chemical & Biomolecular Eng	CN5191	Project Engineering	L1	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Chemical & Biomolecular Eng	CN5215	Atomistic Modelling of Molecules and Materials	L1	
College of Design and Eng	Electrical & Computer Eng	EE5434	Microelectronic Processes and Integration	L01	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE5508	SEMICONDUCTOR FUNDAMENTALS	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE5517	Optical Engineering	L01	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE5801	Electromagnetic Compatibility	L01	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6104	ADAPTIVE CONTROL SYSTEMS (ADVANCED)	L01	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6135	Digital Communications (Advanced)	L01	Wednesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6437	Advanced Semiconductor Devices	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6440	Advanced Topics in Photonics	L01	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6531	Selected Topics in Smart Grid Technologies	L01	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6831	Advanced Electromagnetic Theory and Applications	L01	Monday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6832	Selected Topics in EM Metamaterial and Multiple-Antenna	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Electrical & Computer Eng	EE6833	Selected Topics in Microwave and Antenna Engineering	L01	Wednesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	IE5105	Modelling for Supply Chain Systems	L1	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	IE5107	Operations Analysis and Management	L1	Wednesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	IE5108	Facility Layout And Location	L1	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	IE5121	Quality Planning And Management	L1	
College of Design and Eng	Industrial Systems Eng & Mgmt	IE6099	ISE RESEARCH METHODOLOGY	L1	
College of Design and Eng	Industrial Systems Eng & Mgmt	MT5010	Technology Forecasting, Intelligence & Foresighting	L1	Wednesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	MT5911	Venture Capital Funding for TechVenture	L1	Friday (02.00.00 PM - 05.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	MT5912	Frugal Innovation	L1	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Industrial Systems Eng & Mgmt	MT5913	TechLaunch - Experiential Entrepreneurship	L1	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5106	Engineering Acoustics	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5309	Aircraft Engines and Rocket Propulsion	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5405	Machine Vision	L01	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5506	Corrosion of Materials	L01	Tuesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5516	Emerging Energy Conversion and Storage Technologies	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5611	SUSTAINABLE PRODUCT DESIGN & MANUFACTURING	L01	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME5612	COMPUTER AIDED PRODUCT DEVELOPMENT	L01	Thursday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME6504	Mechanical Failure Analysis: Learning from Examples	L01	Friday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	ME6604	Modelling of Manufacturing Processes	L01	Wednesday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	OT5301	Subsea Systems Engineering	L01	Monday (06.00.00 PM - 09.00.00 PM)
College of Design and Eng	Mechanical Engineering	OT5304	Subsea Construction & Operational Support	L01	Friday (06.00.00 PM - 09.00.00 PM)

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Faculty of Arts & Social Sci	English,Ling.&Theatre Studies	TS5212	ASIAN INTERNATIONAL CINEMA	E1	Tuesday (06.00.00 PM - 09.00.00 PM)
Faculty of Arts & Social Sci	English,Ling.&Theatre Studies	TS5213	Performing Shakespeare in Asia	E1	Friday (06.00.00 PM - 09.00.00 PM)
Faculty of Science	Biological Sciences	BL5202A	BIOPHYSICAL METHODS IN LIFE SCIENCES	L1	Monday (06.00.00 PM - 08.00.00 PM),Wednesday (06.00.00 PM - 08.00.00 PM)
Faculty of Science	Biological Sciences	BL5203	Molecular Interactions in Chromatin	L1	Friday (08.00.00 AM - 12.00.00 PM)
Faculty of Science	Biological Sciences	BL5210	Biogeography	L1	Monday (12.00.00 PM - 02.00.00 PM),Friday (12.00.00 PM - 02.00.00 PM)
Faculty of Science	Biological Sciences	BL5213	PROTEIN DESIGN & ENGINEERING	L1	Tuesday (04.00.00 PM - 06.00.00 PM),Thursday (04.00.00 PM - 06.00.00 PM)
Faculty of Science	Biological Sciences	BL5216	ADVANCED GENETICS AND GENOME SCIENCES	L1	Tuesday (02.00.00 PM - 04.00.00 PM),Thursday (02.00.00 PM - 04.00.00 PM)
Faculty of Science	Biological Sciences	BL5218	Directed Studies in Behavioural Ecology	L1	Thursday (02.00.00 PM - 04.00.00 PM),Friday (10.00.00 AM - 12.00.00 PM)
Faculty of Science	Biological Sciences	BL5224	Signalling Mechanisms in Cancers and Metabolic Diseases	L1	Monday (02.00.00 PM - 04.00.00 PM),Wednesday (08.00.00 AM - 10.00.00 AM)
Faculty of Science	Chemistry	CM5225	Asymmetric Catalysis	L1	Wednesday (06.00.00 PM - 10.00.00 PM)
Faculty of Science	Pharmacy	PR5113	CLINICAL PHARMACOKINETICS & THERAPEUTIC DRUG MONITORING	L1	Friday (06.00.00 PM - 08.00.00 PM)
Faculty of Science	Pharmacy	PR5130	Advanced Pharmacotherapy I	L1	Thursday (06.00.00 PM - 08.00.00 PM)
Faculty of Science	Pharmacy	PR5136	Seminar and Teaching	L1	Thursday (04.00.00 PM - 06.00.00 PM)
Faculty of Science	Pharmacy	PR5216	ADVANCES IN DRUG DELIVERY	L1	Monday (06.00.00 PM - 08.00.00 PM)
Faculty of Science	Physics	PC5202	ADVANCED STATISTICAL MECHANICS	L1	Monday (10.00.00 AM - 12.00.00 PM),Thursday (10.00.00 AM - 12.00.00 PM)
Faculty of Science	Physics	PC5206	Quantum Field Theory	L1	Tuesday (02.00.00 PM - 04.00.00 PM),Thursday (02.00.00 PM - 04.00.00 PM)
Faculty of Science	Physics	PC5210	Advanced Dynamics	L1	Tuesday (04.00.00 PM - 06.00.00 PM),Friday (04.00.00 PM - 06.00.00 PM)
Faculty of Science	Physics	PC5213	Advanced Biophysics	L1	Tuesday (10.00.00 AM - 12.00.00 PM),Friday (10.00.00 AM - 12.00.00 PM)
Faculty of Science	Physics	PC5247	Photonics II	L1	
Faculty of Science	Statistics and Data Science	ST5224	Advanced Statistical Theory II	L1	Wednesday (10.00.00 AM - 01.00.00 PM)
NUS Business School	Finance	BZD6004	Applied Econometrics II	S01	Thursday (03.00.00 PM - 06.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5101	Advanced Quantitative Methods I	L1	Wednesday (09.00.00 AM - 12.00.00 PM),Wednesday (01.00.00 PM - 06.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5102	Design, Conduct and Analysis of Clinical Trials	L1	Monday (09.00.00 AM - 12.00.00 PM),Monday (01.00.00 PM - 05.30.00 PM),Tuesday (09.00.00 AM - 12.00.00 PM),Tuesday (01.00.00 PM - 05.30.00 PM),Wednesday (09.00.00 AM - 12.00.00 PM),Wednesday (01.00.00 PM - 05.30.00 PM),Thursday (09.00.00 AM - 12.00.00 PM),Thursday (01.00.00 PM - 05.30.00 PM),Friday (09.00.00 AM - 12.00.00 PM),Friday (01.00.00 PM - 05.30.00 PM),Saturday (09.00.00 AM - 12.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5103	Collection, Management & Analysis of Quantitative Data	L1	Tuesday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5104	Analytics for Better Health	L1	Friday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5201	Control of Communicable Diseases	L1	Thursday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5202	Control of Non-Communicable Diseases	L1	Wednesday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5203	Advanced Epidemiology I	L1	Monday (06.00.00 PM - 09.00.00 PM)

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SSH School of Public Health	SSH School of Public Health DO	SPH5205	Urban Outbreak Management	L1	Friday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5311	Workplace Safety and Health	L1	Monday (08.00.00 AM - 02.00.00 PM),Monday (03.00.00 PM - 06.00.00 PM),Tuesday (08.00.00 AM - 02.00.00 PM),Tuesday (03.00.00 PM - 06.00.00 PM),Wednesday (08.00.00 AM - 02.00.00 PM),Wednesday (03.00.00 PM - 06.00.00 PM),Thursday (08.00.00 AM - 02.00.00 PM),Thursday (03.00.00 PM - 06.00.00 PM),Friday (08.00.00 AM - 12.00.00 PM),Friday (02.00.00 PM - 04.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5312	Assessment and Control of Occupational Hazards	L1	Tuesday (06.00.00 PM - 09.00.00 PM),Thursday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5314	Enterprise Occupational Health Practice	L1	Friday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5401	Health Economics and Financing	L1	Monday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5404	Measuring and Managing Quality of Care	L1	Wednesday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5405	Introduction to Health Services Research	L1	Thursday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5411	Information Technology in Healthcare	L1	Monday (09.00.00 AM - 12.00.00 PM),Monday (01.00.00 PM - 06.00.00 PM),Tuesday (09.00.00 AM - 12.00.00 PM),Tuesday (01.00.00 PM - 06.00.00 PM),Wednesday (09.00.00 AM - 12.00.00 PM),Wednesday (01.00.00 PM - 06.00.00 PM),Thursday (09.00.00 AM - 12.00.00 PM),Thursday (01.00.00 PM - 06.00.00 PM),Friday (09.00.00 AM - 12.00.00 PM),Friday (01.00.00 PM - 06.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5412	Economic Methods in Health Technology Assessment	L1	Wednesday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5413	Women's, Children's and Adolescents' Health	L1	Monday (02.00.00 PM - 05.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5421	Modelling Techniques in HTA	L1	Tuesday (06.00.00 PM - 09.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5422	Applied Health Econometrics for HTA	L1	Friday (09.00.00 AM - 05.30.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH5423	Simulation for Health Technology Assessment	L1	Monday (09.00.00 AM - 06.00.00 PM),Tuesday (09.00.00 AM - 06.00.00 PM),Wednesday (09.00.00 AM - 06.00.00 PM),Thursday (09.00.00 AM - 06.00.00 PM),Friday (09.00.00 AM - 06.00.00 PM),Thursday (06.00.00 PM - 08.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH6001	Advanced Epidemiology II	L1	Monday (06.00.00 PM - 09.00.00 PM),Thursday (02.00.00 PM - 05.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH6002	Advanced Quantitative Methods II	L1	Wednesday (09.00.00 AM - 12.00.00 PM),Wednesday (01.00.00 PM - 06.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH6004	Advanced Statistical Learning	L1	Friday (09.00.00 AM - 12.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH6007	Health Systems and Policy Analysis	L1	Monday (09.00.00 AM - 06.00.00 PM),Tuesday (09.00.00 AM - 06.00.00 PM),Wednesday (09.00.00 AM - 06.00.00 PM),Thursday (09.00.00 AM - 06.00.00 PM),Friday (09.00.00 AM - 06.00.00 PM)
SSH School of Public Health	SSH School of Public Health DO	SPH6008	Applying Social Theory in Public Health Research	L1	Monday (06.00.00 PM - 09.00.00 PM)
Yong Loo Lin School (Medicine)	Alice Lee Ctr for Nursing Stud	NUR6005	Measurement Theory and Instrument Validation	L1	Thursday (02.00.00 PM - 04.00.00 PM)