

## Class Time-Table of Graduate Courses

➤ Elective courses open to ECE Research programme (PhD/M.Eng/EngD) students

### Semester II, AY2023/2024

DAY & TIME	CODE	COURSE TITLE	COURSE LECTURER/S	VENUE	Course Quota
MONDAY 6.00 pm - 9.00 pm	<a href="#">EE5106/ME5402</a>	Advanced Robotics	CHUI CHEE KONG <sup>①</sup> , GE SHUZHONG SAM	LT 4	(50)
	<a href="#">EE5441</a>	Introduction to Nanoelectronics and Emerging Devices	WU YIHONG, MANSOOR BIN ABDUL JALIL	E3-06-07	50
	<a href="#">EE5507</a>	Analog Integrated Circuits Design	HENG CHUN HUAT, MA FAN YUNG <sup>②</sup>	E1-06-09	70
	<a href="#">EE6831</a>	Advanced Electromagnetic Theory and Applications	CHEN XUDONG, QIU CHENGWEI	E3-06-02	25
TUESDAY 6.00 pm - 9.00 pm	<del><a href="#">EE5517</a></del>	Optical Engineering <b>CANCELLED</b>	TSANG MAN KEI	LT-6	120
	<del><a href="#">EE5311</a></del>	Differentiable and Probabilistic Computing	MANDAR ANIL CHITRE	LT 3	120
	<a href="#">EE5801</a>	Electromagnetic Compatibility	LIU ENXIAO <sup>②</sup> , ZHAO ZHENYU <sup>②</sup>	LT 4	140
	<a href="#">EE6531</a>	Selected Topics in Smart Grid Technologies	PANDA, SANJIB KUMAR, DIPTI SRINIVASAN	E5-03-22	40
	<a href="#">EE6934</a>	Deep Learning (Advanced)**	TIANYI ZHOU <sup>②</sup> , XU YUECONG	LT 2	40
WEDNESDAY 6.00 pm - 9.00 pm	<a href="#">EE5442</a>	Memory Technologies and Their Emerging Applications	YANG HYUNSOO, FONG XUANYAO, GONG XIAO	E1-06-09	70
	<a href="#">EE5904/ME5404</a>	Neural Networks	XIANG CHENG, CHEN CHAO YU PETER <sup>①</sup>	UT-AUD1	(150)
	<a href="#">EE6135</a>	Digital Communications (Advanced)#	ZHANG JIANWEN	LT 4	10
	<a href="#">EE6833</a>	Selected Topics in Microwave and Antenna Engineering	GUO YONGXIN	E5-03-23	20
THURSDAY 6.00 pm - 9.00 pm	<a href="#">EE5134</a>	Optical Communications and Networks	LI NANXI <sup>②</sup> , MOHAN GURUSAMY	LT 6	140
	<a href="#">EE5508</a>	Semiconductor Fundamentals	WU YIHONG	E1-06-08	80
	<a href="#">EE6437</a>	Advanced Semiconductor Devices	ANG KAH WEE	EA-06-04	30
	<a href="#">EE6832</a>	Selected Topics in EM Metamaterial and Multiple-Antenna	CHEN ZHI NING	E5-03-21	30
FRIDAY 6.00 pm - 9.00 pm	<a href="#">EE5311</a>	Differentiable and Probabilistic Computing	MANDAR ANIL CHITRE	E3-06-01	50
	<a href="#">EE5434</a>	Microelectronic Processes and Integration	LEE CHENGKUO, ZHU CHUNXIANG	ENG-AUD	120
	<a href="#">EE5711</a>	Power Electronic Systems	ASHWIN M KHAMBADKONE	E3-06-09	50
	<a href="#">EE6104</a>	Adaptive Control Systems (Advanced)#	HO WENG KHUEN, LEE TONG HENG	E5-02-32	10
	<del><a href="#">EE6440</a></del>	Advanced Topics in Photonics <b>CANCELLED</b>	LI NANXI <sup>②</sup> , QIU CHENGWEI	E3-06-14	30

#### LEGEND OF NON-ECE OR ADJUNCT STAFF

- ① Mechanical Engineering  
② Adjunct/External etc

\*\*refer to Canvas for course lecturer's arrangement.

#### NOTES:

- #Married courses: EE5104/EE6104, EE5135/EE6135. Lectures is conducted concurrently. MEng and PhD students allowed to take the EE6000 series only.
- About cross-listed course: EE5904/ME5404 (host is ECE Dept); EE5106/ME5402 (host is ME Dept). ECE students to apply EE prefix code only.
- All class and exam will be held in-person by default.
- Students are expected to be in Singapore physically to pursue studies. Request for remote studies out of Singapore will not be supported.

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## IMPORTANT NOTE

1. **Lecture for Semester II, 2023/2024 will commence on instructional week 1: 15 January 2024 (Monday).**
2. Refer to the NUS Academic Calendar for AY2023-2024 at <http://www.nus.edu.sg/registrar/calendar>.
3. All classes and examinations will be held in-person (F2F) by default unless otherwise specified. This might be subjected to changes depending on the directive from NUS. Students are expected to be in Singapore physically to pursue studies. Request for remote studies will not be supported.
4. About Mask-wearing. Do refer to the NUS latest circular at <https://emergency.nus.edu.sg/circulars/>
  - a. Staff and students with mild ARI symptoms should stay at home until symptoms resolve. If there is a need to go out while symptomatic, or if asymptomatic but tested positive for COVID-19, staff and students should exercise social responsibility. They should minimise social interactions, wear a mask, avoid crowded places, do not visit vulnerable settings such as hospitals and nursing homes, and do not have contact with vulnerable persons. They should see a doctor if unwell or tested positive for COVID-19, to obtain an official medical certificate for sick leave for purpose of official business.
  - b. Mask-wearing remains mandatory in our healthcare facilities e.g. University Health Centre, University Counselling Services, clinics, in-patient and patient-facing sessions and environments.
5. **Selection of course; submit course request; waiver of pre-requisite and/or appeals etc, are to be made by student via the [CourseReg@EduRec](mailto:CourseReg@EduRec) system. This is for the allocation process and relevant Dept Admins to track and process accordingly.**
6. **Students are to ensure that there is no clash in **BOTH** class and examination timetable when selecting the course(s) to be enrolled for the semester.**
7. Refer to our ECE Dept webpage for the customised guide created for ECE graduate students, and about the applicable charges (if any) imposed on non-ECE graduate student enrolling for our ECE coursework graduate courses. Refer to <https://cde.nus.edu.sg/ece/graduate/graduate-course-registration/> for more details.
8. Instructions on the course selection process, schedule for each round, application and allocation process for students is published at the [CourseReg webpage \(https://nus.edu.sg/coursereg/index.html\)](https://nus.edu.sg/coursereg/index.html). This is applicable to all NUS students unless otherwise stated.
  - i) Round 0 begin from 12 Dec 2023 (9am) to 13 Dec 2023 (5pm). (*applicable to existing ECE graduate students returning next semester*)
  - i) Round 1 begin from 3 January 2024 (*applicable to new and returning students*)
  - ii) For subsequent rounds and “submit course request” function, refer to the schedule published at [CourseReg](https://nus.edu.sg/coursereg/index.html) webpage for details.
9. For descriptions and course requisite condition on ECE graduate courses, refer to [NUSMods \(https://nusmods.com/courses\)](https://nusmods.com/courses) (*use Chrome or Firefox*). A student is not allowed to enrol for an identical course which has been taken in an earlier degree from NUS, and/or repeat a passed course taken earlier for the purpose of improving of grades.
10. Some EE6000 series courses might not be opened to MSc students. MSc students who wish to apply for EE6000 course(s) may apply using the SUBMIT COURSE REQUEST function in [CourseReg@EduRec](mailto:CourseReg@EduRec) system during Round 2. Approval/support for waiver of requisite (if applicable) by course lecturer is required as proof. Appeals are subject to approval on a case-by-case basis, limited by course condition and quota constraint. Priorities are for PhD/MEng students.
11. **UPDATE TO NOTE: Due to changes in programme structure and tuition fees for various MSc programme in NUS, a student may incur additional charges (per course basis) for enrolling in cross-Programme/Department/Faculty courses. Such charges (if applicable) will depend on the course host offering department and will be billed to student on top of the tuition fee in the applicable semester. Refer: <https://cde.nus.edu.sg/ece/graduate/graduate-course-registration/>**
12. Refer to NUS webpage for latest update by the relevant office.

| NUS Webpages                                                                                                  | Go To                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| ECE Class Timetable                                                                                           | <a href="https://cde.nus.edu.sg/ece/class-timetables/">https://cde.nus.edu.sg/ece/class-timetables/</a>                                           |
| CourseReg guide for ECE graduate students                                                                     | <a href="https://cde.nus.edu.sg/ece/graduate/graduate-course-registration/">https://cde.nus.edu.sg/ece/graduate/graduate-course-registration/</a> |
| Description of ECE Graduate Courses (via NUSmods)                                                             | <a href="https://nusmods.com/courses">https://nusmods.com/courses</a>                                                                             |
| University Calendar ( <i>refer to applicable academic year</i> )                                              | <a href="http://www.nus.edu.sg/registrar/calendar">http://www.nus.edu.sg/registrar/calendar</a>                                                   |
| <b>Requires student's login credential and VPN (if applicable)</b>                                            |                                                                                                                                                   |
| <a href="mailto:CourseReg@EduRec">CourseReg@EduRec</a> ( <i>Schedule, instruction, course selection etc</i> ) | <a href="https://nus.edu.sg/coursereg/index.html">https://nus.edu.sg/coursereg/index.html</a>                                                     |
| Examination Directory                                                                                         | <a href="http://www.nus.edu.sg/registrar/academic-activities/examination">http://www.nus.edu.sg/registrar/academic-activities/examination</a>     |
| ECE Student E-station<br>( <i>Intranet: requires VPN &amp; student's credential</i> )                         | <a href="https://cde.nus.edu.sg/ece/about-us/e-station/">https://cde.nus.edu.sg/ece/about-us/e-station/</a>                                       |
| myPortal@NUS ( <i>College of Design and Engg, Graduate Prog</i> )                                             | <a href="https://cde.nus.edu.sg/graduate/#academic-support">https://cde.nus.edu.sg/graduate/#academic-support</a>                                 |
| “NUS student portal”, Navigate to “student” at menu                                                           | via NUS homepage ( <a href="http://www.nus.edu.sg">http://www.nus.edu.sg</a> )                                                                    |

13. Information is correct as at time of printing and maybe subject to changes.

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