

Welcome Tea for EE4 students

AY 2016/2017

13 August 2015, 9 am, LT6

Agenda

9.00 to 9.10am	Welcome	A/Prof LS Tan
9.10 to 9.20am	Prize Presentation	Prof J Thong, A/Prof LS Tan
9.20 to 9.40 am	Academic matters	A/Prof LS Tan
9.40 to 9.50 am	Graduate Programme	A/Prof YC Liang
9.50 to 9.55 am	About Undergraduate Student Council (USC)	
9.55 to 10.05 am	Q&A	All
10.05 to 10.30 am	Tea	All
10.30 to 11.15 am	FYP Presentation	A/Prof WK Chim
11.15 to 11.45 am	FYP Information Literacy Program	Library Staff
11.45 am -12noon	Q&A	

Awards and Prizes

<http://www.nus.edu.sg/registrar/edu/award.html>

- Lee Kuan Yew Gold Medal
- IES Gold Medal
- PEB Gold Medal
- Singapore Indian Chamber of Commerce Medal
- Methode Electronics Gold Medal
- Chartered Semiconductor Book Prize in Microelectronics
- IEEE Control Chapter Prize
- Lucent Technologies Book Prize
- Lucent Telecommunications Book Prize
- IEEE Power Engineering Chapter Gold Medal
- IEEE Power Engineering Chapter Prize
- Faculty of Eng. Book Prize donated by Singapore Power Ltd
- Faculty of Eng. Annual Book Prize donated by ExxonMobil Asia Pacific Pte Ltd
- Fac. of Eng. Annual Book Prize donated by Sanyo Industries (S) Ltd
- Defence Science & Technology Agency Gold Medal
- ST Electronics Book Prize
- IEEE Microwave Theory and Technique/Antenna Propagation Prize (Department Prize)
- Dean List requirement: min 15 MC Workload

IEEE Microwave Theory and Technique / Antenna Propagation Prize

- The prize (\$400 cash prize) is awarded to the graduating student (AY2015/16) scoring the highest total marks in all the Microwave subjects taken throughout the 4 years. The award winner is

Mr Marcus Loke Mun Hou



EE Program Educational Objectives

1. **Technical Skills** : Technically competent to solve complex problems in electrical engineering and can adapt effectively in a fast changing environment
2. **Critical Thinking** : Ability to think critically, analyse and make decisions that give due consideration to global issues in business, ethics, society and the environment
3. **Leadership and team building** : Ability to communicate effectively, act with integrity, and have the inter-personal skills needed to engage in, lead, and nurture diverse teams
4. **Attitude** : Commitment to lifelong learning, resourceful and embrace global challenges and opportunities to make a positive impact in society.

Important : Please note Carefully!

- All AY2013 & AY2012 intake students are required to take ES2331 Communicating Engineering, either as a ULR module (U9) or a UEM module (27), to satisfy Faculty requirements.
- All AY2014 intake students are required to take GEK1549 Critical Thinking & Writing (A9) and ES2331 Communicating Engineering (01) to satisfy Faculty requirements.
- EE3501C Power Electronics ceased to be offered in AY2015/16. Students of AY2013 intake may take EE2025 (mapped to EE3501C) to fulfil outercore T.E. rule.

Graduating in **Sem 1** AY2016/17

- Check FFG requirements:

<https://www.ece.nus.edu.sg/intranet/students/ffg%20checklist.html>

[https://www.ece.nus.edu.sg/students/ffg/U13%20EE%20\(normal\)%20U13 EE%20\(poly\)%20Checklist.doc](https://www.ece.nus.edu.sg/students/ffg/U13%20EE%20(normal)%20U13 EE%20(poly)%20Checklist.doc)

[https://www.ece.nus.edu.sg/students/ffg/Latest U14%20EE%20\(poly\)%20Checklist Version3.pdf](https://www.ece.nus.edu.sg/students/ffg/Latest U14%20EE%20(poly)%20Checklist Version3.pdf)

- File for graduation via CORS between **21 Jul to 17 Aug 2016**.
- For students who cannot FFG via CORS due to certain reasons (e.g. NOC, SEP modules not mapped), please FFG using a have a **hardcopy of the form** (attached) and submit the completed form to Ms Susan at the ECE General Office by **22 Aug 2016**.
- For **USP** students, fill up the USP mapping form from the Dean's Office website http://www.eng.nus.edu.sg/ugrad/SP_usp_mod_replacements.html as soon as CORS bidding is over. Submit it to the FoE Dean's Office and remember to hand a duplicate approved **hardcopy** to Ms Susan at ECE General Office **before mid Sept 2016**.

ULR and UEM Requirements

- **STUDENTS' RESPONSIBILITY** to check that you have fulfilled Requirements !

20 MCs of ULR (including ES2331) & **16 MCs** of UEM & **10 MCs** of Faculty Requirements (ES1531, EG2401, HR2002 for AY2013 intake ; ES2331, EG2401, HR2002 for AY2014 intake) .

ULR and UEM Requirements

Do

1. **Manual Check** using FFG checklist.
2. Check against your record under **Online Degree Check** to make sure that you have fulfilled your ULR and UEM requirements.
3. **Convert** the ULR Breadth to UEM, etc (via 'Module Declaration' function at DRC) if there is a need, **by 31 Aug 2016**.
4. Check carefully and thoroughly during the CORS period after you have successfully bid for modules via CORS.
5. Do check and ensure that all your ULR and UEM requirements are fulfilled and in the right module type code **by 31 Aug 2016**.

Please refer to the link:

<https://www.eng9.nus.edu.sg/degree/login.html>

http://www.eng.nus.edu.sg/ugrad/SI_Module_declaration.html

Other Graduation Requirements

- **Limit on Level 1000 modules**
 - Students admitted in AY07/08 & onwards: Not more than 60 MCs of level 1000 modules (incl. GEM, SS etc)
- What will happen to the extra MCs if I read > 60 MCs of level 1000?
- The extra MCs will not count towards the total number of MCs required for graduation. However, they will still be counted towards the computation of CAP. Refer to http://www.eng.nus.edu.sg/ugrad/SI_faq.html#A9

S/U policy for FoE Tech Electives for AY2013 intake

- For AY2013 intake: All FoE technical electives (regardless of module type code 12 or 27, taken to fulfil technical elective rules or UEM respectively) will be on graded basis i.e. students cannot exercise their S/U option for these modules. Please refer to
- http://www.eng.nus.edu.sg/ugrad/SI_su_policies.html .
- <https://myportal.nus.edu.sg/studentportal/academics/ug/su-homepage.html>
- The practice of conversion to UEM is still allowed but the S/U exercise will not be allowed.

S/U policy for FoE Tech Electives for AY2014 intake

- For AY2014 intake: 20 MCs under Grade-free semester may be exercised only during the 1st semester. The remaining 12 MCs can be used any time during the candidature.
- Can only S/U: Level 1000 modules ; Level 2000 modules without NUS module pre-requisites
- Please refer to
http://www.eng.nus.edu.sg/ugrad/SI_su_policies2014.html
- <https://myportal.nus.edu.sg/studentportal/academics/ug/su-homepage.html>
- <https://share.nus.edu.sg/registrar/student/info/SU-FAQs.pdf>

ECE Technical Electives

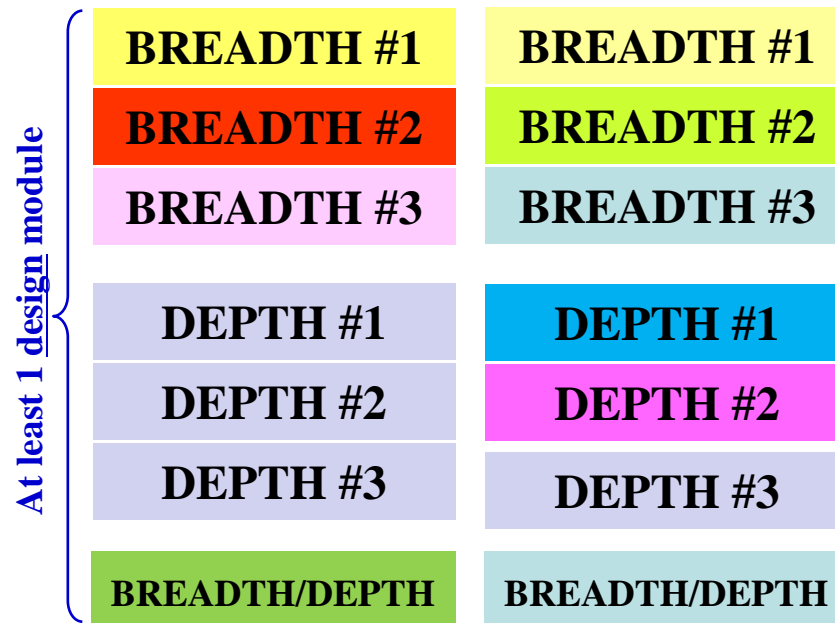
- Rules on the choice of technical electives in EE is based on the following **10 (plus a general) concentrations** :

1. Communications & Networks (CN)
2. Integrated Circuits & Embedded Systems (ICES)
3. Control Intelligent Systems & Robotics (CISR)
4. Microelectronic Technologies & Devices (MTD)
5. Power & Energy Systems (PES)
6. Signal Analysis & Machine Intelligence (SAMI)
7. Microwave & RF (MWRF)
8. Bioelectronic Systems (BIO)
9. Information Processing (IP)
10. Engineering Science (ES)
11. General (GEN)

<https://www.ece.nus.edu.sg/home/education/Electives.html>

Choosing Electives for a **EE** Student (AY2013 non-poly & poly intake)

- At least **3** technical **breadth** electives from **3 different outer core** concentrations;
- At least **3** technical **depth** electives from **any** concentration;
- At least **1** technical **breadth/depth** elective from **any** concentration;
- At least **1** technical elective from the above **7** electives must be from the list of **design** modules.
- Minimum of 7 Technical Electives (at least 28 MCs). At least **20 MCs** of electives must be **EEXXXX**



Choosing Electives for a **EE** Student (AY2014 non-poly & poly intake)

- At least **2** technical **breadth** electives from **2 different outer core** concentrations;
- At least **2** technical **depth** electives from **any** concentration;
- At least **1** technical **breadth/depth** elective from **any** concentration;
- At least **1** technical **outer core** elective
- Minimum of 6 Technical Electives (at least 22 MCs). At least **16 MCs** of electives must be **EEXXXX**

Outer Core #1	Outer Core #1
Outer Core #2	Outer Core #2
DEPTH #1	DEPTH #1
DEPTH #2	DEPTH #2
BREADTH/DEPTH	BREADTH/DEPTH
Outer Core #3	Outer Core #3

In addition to the above: AY2014 non-poly intake - Compulsory IA (12 MCs)

AY2014 poly intake: PC1222 + MA1301 + 1 outer core breadth tech elective

FFG Checklists: <https://www.ece.nus.edu.sg/intranet/students/ffg%20checklist.html>

Change in Honours Classification

Cohort AY2012/2013 & AFTER

Honours Degree Classification	Criteria (New)
Honours (Highest Distinction)	CAP 4.50 and above
Honours (Distinction)	CAP 4.00 – 4.49
Honours (Merit)	CAP 3.50 – 3.99
Honours	CAP 3.00 – 3.49
Pass	CAP 2.00 – 2.99

Important Websites

- Important matters for ECE4 students:
<https://www.ece.nus.edu.sg/intranet/Students/Year4/>
- Class timetable:
<https://www.ece.nus.edu.sg/academic/timetables/>
- Examination timetable
<https://myportal.nus.edu.sg/studentportal/academics/all/examination-directory.html>
- Online Degree Requirement Check (DRC):
<https://www.eng9.nus.edu.sg/degree/login.html>
- Important CORS information from FoE:
http://www.eng.nus.edu.sg/ugrad/MS_timetable.html

Important Websites

- **AY2016 ECE Masterlist of Technical Electives:**
http://online.ece.nus.edu.sg/Streaming/L_Masterlist_1617_EE_1Jul2016.doc
 - **Conversion of GEM/SS/Breadth/Technical Electives to UEM** and other matters:
http://www.eng.nus.edu.sg/ugrad/SI_Module_declaration.html
 - **FFG Checklists:**
<https://www.ece.nus.edu.sg/intranet/students/ffg%20checklist.html>
 - **Recommended study schedules:**
<https://www.ece.nus.edu.sg/education/undergraduate/ee/Recommended.html>
- Enhancement programme :
<http://www.eng.nus.edu.sg/undergrad/epmc/>

ECE Dept Contacts

- **Management Support Officer :**
Ms Susan Silva (elesas@nus.edu.sg)
- **Administrative Manager :**
Ms Yap Siew Choo (eleysc@nus.edu.sg)
- **EE3 Coordinator :**
A/Prof Zhang Jianwen (elezhan@nus.edu.sg)
- **EE4 Coordinator :**
Dr Luo Sha (eleluos@nus.edu.sg)
- **FYP Coordinator:**
A/Prof Chim Wai Kin (elecwk@nus.edu.sg)
- **Associate Head, Undergraduate Programmes:**
A/Prof Heng Chun Huat (elehch@nus.edu.sg)
- **Deputy Head, UG Programmes & Student Life:**
A/Prof Vivian Ng (elengv@nus.edu.sg)

EE4 Web Page

<https://www.ece.nus.edu.sg/intranet/Students/>

Department of Electrical and Computer Engineering

Students e-Station

Calendar of activities

First Year

Second Year

Third Year

Final Year

Graduate

Special Programmes

Useful Links

Can not find what you are looking for?

Final Year Students

Important Announcement

Welcome Tea for ECE4 cum FYP Briefing on 15 August 2015

ECE4 Presentation on PhD programs

Engineering FYP Information Literacy 2015/16 : Tutorial & Quick Guides

[Important Announcement for ECE4 Students Sem 1 AY1516](#) (updated 22 July 2015)

[Important Deadlines for ECE4 Students who wish to GRADUATE in Sem 1 AY1516](#) (updated 23 July 2015)

[CORS: Choosing of Tech Electives, S/U policy, 60 MC level 1000 limit, EE2 core modules](#) (updated 23 July 2015)

Timetable / Schedule

[Class Timetable](#) (IMPORTANT: Check timetables regularly for updates)

[HR2002 Timetable](#)

<https://www.ece.nus.edu.sg/> → Community → Students → e-station (students) → Final Year

Useful Resources

Department

- Peer tutoring programme
- ECE Caregroup (alternate weeks): goal setting, making new friendships, coping with exam stress
- Email Ms Nicole Phua if interested

Faculty

- Mr Martin Nonis, Student Support Manager

University

- Counselling and Psychological Services (CPS)
@ UHC

University Health Centre Counselling & Psychological Services

- **Emotional & Psychological Well-Being**

Anxiety, Depression, Mental Health, Self-Esteem, Shyness, Stress, Eating Disorders, Sudden Loss and Grief, Loneliness, Test Anxiety

- **Relationship Issues**

Abusive Relationships, Family Stress, Managing Conflicts, Surviving Breakup

- **Personal Effectiveness**

Decision Making, Motivation, Time Management, Challenges of University Life

Counselling and Psychological Services
University Health Centre

<http://www.nus.edu.sg/uhc/cps/>

CODE OF STUDENT CONDUCT

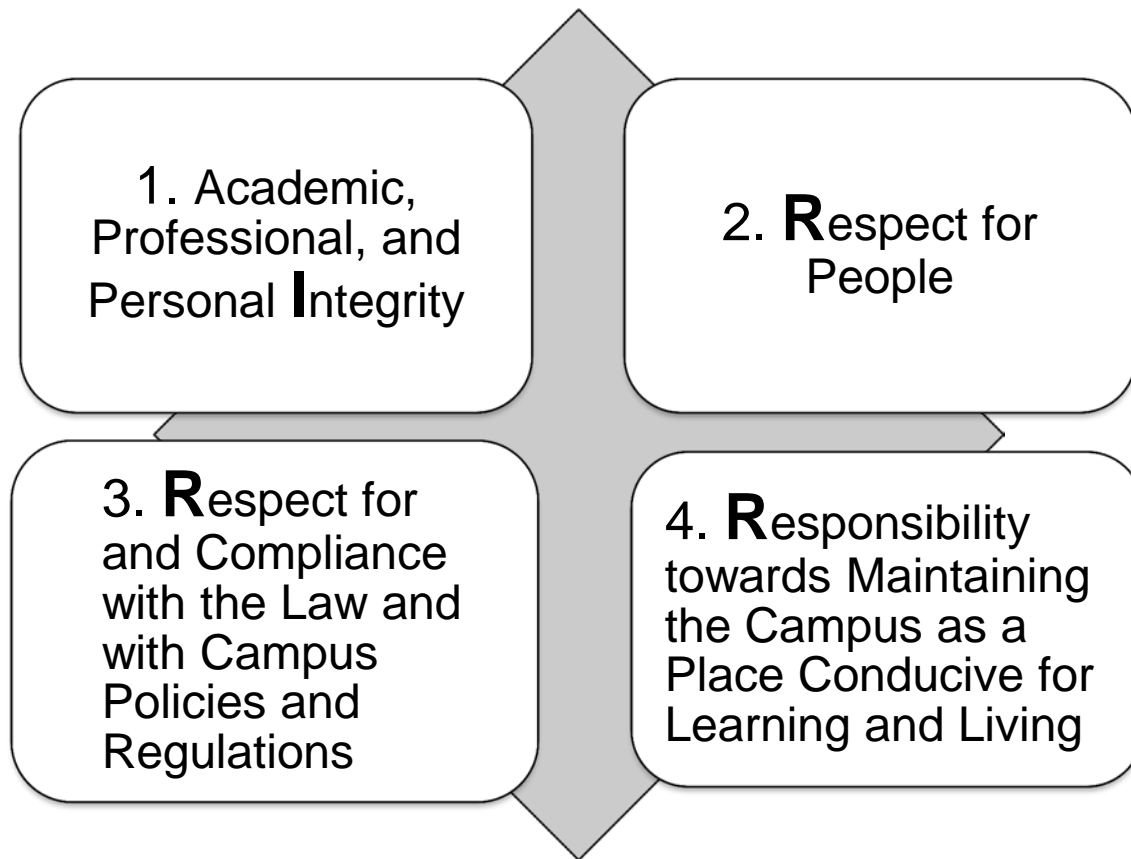
Code of Conduct for NUS students

- maintain and uphold the highest standards of integrity and honesty at all times
- embrace community standards, diversity and mutual respect for one another
- Responsible for upholding the academic standards and reputation of the University. Academic honesty is a necessary condition in the pursuit and acquisition of knowledge

<http://www.nus.edu.sg/registrar/adminpolicy/acceptance.html#NUSCodeofStudentConduct>

NUS Code Of Student Conduct

- *4 Fundamental Principles*



Academic Offences

The University takes a strict view of cheating in any form, deceptive fabrication, plagiarism and violation of intellectual property and copyrights laws. Any student who is found to have engaged in such misconduct will be subjected to disciplinary action by the University.

- Plagiarism
 - ‘the practice of taking someone else's work or ideas and passing them off as one's own’
(e.g. copying from your classmates/seniors/books/online resources)
- Violations in Assessment Regulations
 - Unauthorised Materials in assessment venue
 - Unauthorised Electronic Devices
 - Cheating/copying during assessment
- Forgery of Medical Certificate / supporting documents
(e.g. forging MCs for make up tests/assessments is an offence)

Academic Offences

Consequences

- Board of Discipline (BoD) hearing
- Official Reprimand letter in student's record
- Fine imposed
- Fail grade in the module
- Suspension of studies, resulting in delay in graduation

Important Links:

<http://www.nus.edu.sg/registrar/adminpolicy/discipline.html>

http://www.eng.nus.edu.sg/ugrad/SI_plagiarism.html

<http://emodule.nus.edu.sg/ac/launch.htm>

<https://www.ece.nus.edu.sg/intranet/Students/>

(Under- 'First Year - Academic Information / Useful Links')

Safety

- Utmost importance to the individual.
- An important responsibility of the engineer as a professional.
- Observe safe practices in the workplace – labs, offices, etc.
- Obey strictly the rules and regulations in the labs, workshops and any other workplace.
- Attend relevant safety training and take part in events promoting safety.



ECE SAFETY DAY

20 SEPTEMBER 2016 TUESDAY 9AM-1:30PM

LT6 2016

PROGRAMME SCHEDULE

9:00 - 9:25AM	Registration & Video Screening
9:25 - 9:30AM	Opening Address by ECE Head of Dept Prof John Thong
9:30 - 10:00AM	Talk on "Management of Crisis & Emergency" by Mr. Mohammed Khairul
10:00 - 10:30AM	Talk on "Laboratory Safety" by Mr. Syam Kumar Prabhakaran
10:30 - 11:00AM	Sharing on past Accidents/Incidents in FoE by Mr. Gabriel Chen
11:00 - 11:15AM	Prize presentation for Poster Design Competition
11:15 - 12:00PM	Hands-on Fire Extinguisher/Fire Hose & Vendors' Showcase
12:00 - 1:30PM	Lunch and exchange of door gift

**STOP ACCIDENTS
BEFORE THEY
STOP YOU**



VISIT OUR VENDORS

PDS International Pte Ltd	Showcase on PPE and Safety products
Mr. Fire X	Showcase on portable fire extinguisher
Fave Pte Ltd	Showcase on Healthy dried fruits and nuts

Redeem a doorgift by attending the talks and participating in the hands-on Fire Extinguisher or Fire Hose activity!

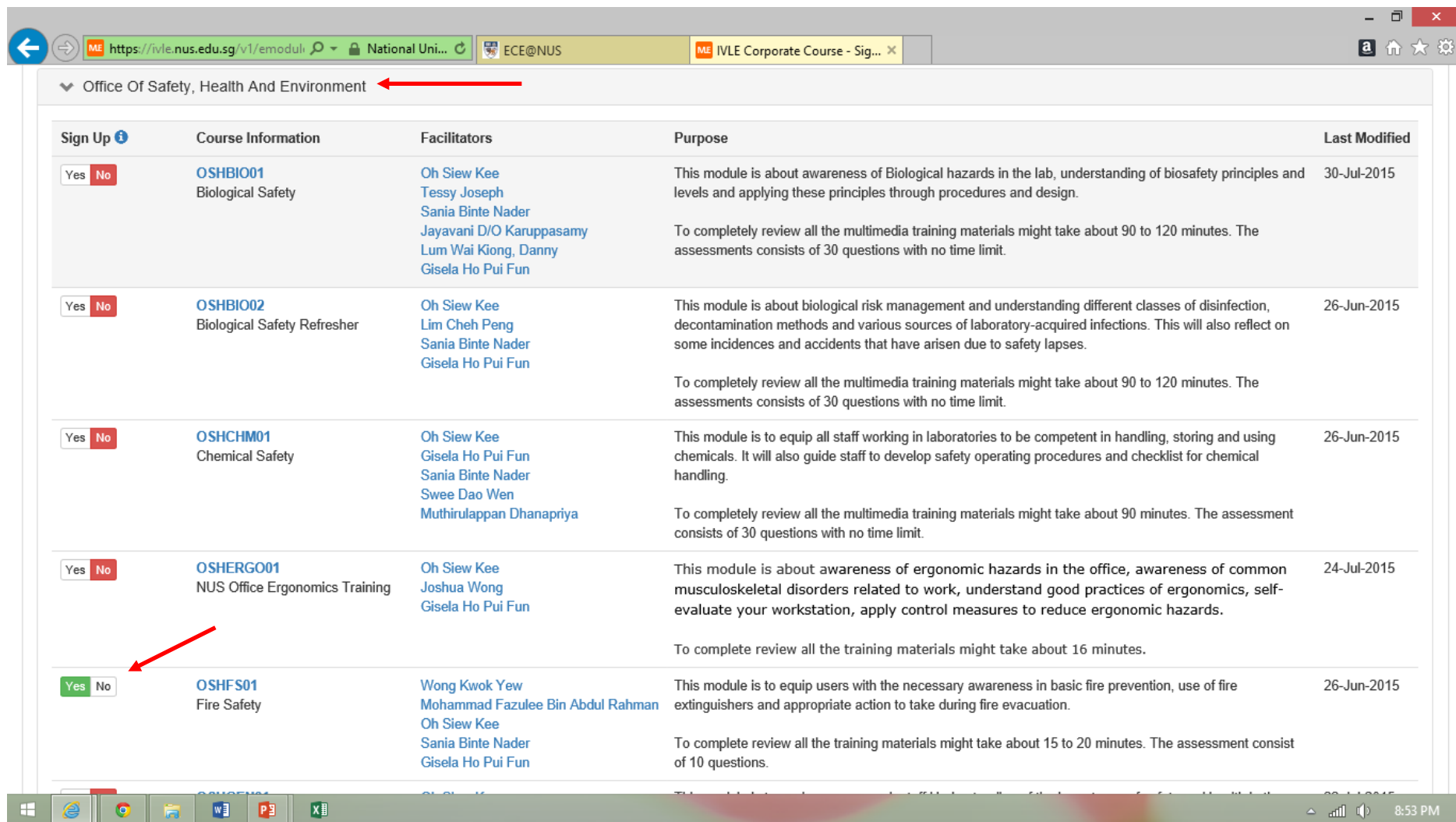


Department of Electrical & Computer Engineering
Faculty of Engineering

To find OSHE online safety courses, go to IVLE, click “Others” tab, then “Corporate Courses”

The screenshot shows the IVLE workspace interface. At the top, the browser address bar displays <https://ivle.nus.edu.sg/v1/workspa>. The user is identified as ECE@NUS. The main navigation bar includes tabs: Workspace, What's New, Calendar, Resource Banks, Year Book, Library, and Others. The 'Others' tab is selected, and its dropdown menu is open, showing options: Corporate Courses, Virtual Classroom, Module Repository, Screencast, Open Web Lectures, and Student Events. A red arrow points to the 'Corporate Courses' option. Below the navigation bar, the 'Teaching Modules (Active Modules)' section is visible. It contains a search bar and a list of modules for the 2015/2016 Semester 1. The modules listed are: EE2021 (DEVICES AND CIRCUITS, Co-Owner: Assoc Prof Heng Chun Huat), EE2021E (DEVICES AND CIRCUITS, Owner: Assoc Prof Tan Leng Seow), and EG2401 (ENGINEERING PROFESSIONALISM, Read Manager). Each module entry has a 'Quick Actions' button. A blue banner at the top of the module list states: 'You need to create (or re-use) your module on IVLE if you are teaching in the semester. To add a new module, click [Active Modules > All Modules].'

Scroll down to the list of courses offered by OSHE, identify the ones relevant to you, then click “Yes” to sign up. Everyone should take the course on Fire Safety.



Office Of Safety, Health And Environment

Sign Up	Course Information	Facilitators	Purpose	Last Modified
Yes No	OSHBIO01 Biological Safety	Oh Siew Kee Tessy Joseph Sania Binte Nader Jayavani D/O Karuppasamy Lum Wai Kiong, Danny Gisela Ho Pui Fun	This module is about awareness of Biological hazards in the lab, understanding of biosafety principles and levels and applying these principles through procedures and design. To completely review all the multimedia training materials might take about 90 to 120 minutes. The assessments consists of 30 questions with no time limit.	30-Jul-2015
Yes No	OSHBIO02 Biological Safety Refresher	Oh Siew Kee Lim Cheh Peng Sania Binte Nader Gisela Ho Pui Fun	This module is about biological risk management and understanding different classes of disinfection, decontamination methods and various sources of laboratory-acquired infections. This will also reflect on some incidences and accidents that have arisen due to safety lapses. To completely review all the multimedia training materials might take about 90 to 120 minutes. The assessments consists of 30 questions with no time limit.	26-Jun-2015
Yes No	OSHCHM01 Chemical Safety	Oh Siew Kee Gisela Ho Pui Fun Sania Binte Nader Swee Dao Wen Muthirulappan Dhanapriya	This module is to equip all staff working in laboratories to be competent in handling, storing and using chemicals. It will also guide staff to develop safety operating procedures and checklist for chemical handling. To completely review all the multimedia training materials might take about 90 minutes. The assessment consists of 30 questions with no time limit.	26-Jun-2015
Yes No	OSHERGO01 NUS Office Ergonomics Training	Oh Siew Kee Joshua Wong Gisela Ho Pui Fun	This module is about awareness of ergonomic hazards in the office, awareness of common musculoskeletal disorders related to work, understand good practices of ergonomics, self-evaluate your workstation, apply control measures to reduce ergonomic hazards. To complete review all the training materials might take about 16 minutes.	24-Jul-2015
Yes No	OSHFS01 Fire Safety	Wong Kwok Yew Mohammad Fazulee Bin Abdul Rahman Oh Siew Kee Sania Binte Nader Gisela Ho Pui Fun	This module is to equip users with the necessary awareness in basic fire prevention, use of fire extinguishers and appropriate action to take during fire evacuation. To complete review all the training materials might take about 15 to 20 minutes. The assessment consist of 10 questions.	26-Jun-2015

Go back to your IVLE home page, scroll down to find the course that you have signed up. Click on it.

The screenshot shows the IVLE workspace interface. At the top, there's a search bar for 'Teaching Modules' and buttons for '+ Create Module' and 'Active Modules'. A message states: 'You need to create (or re-use) your module on IVLE if you are teaching in the semester. To access your past modules, click [Active Modules > All Modules].'

Below this, there are three module entries:

- EE2021** 2015/2016, Semester 1
DEVICES AND CIRCUITS - You are Co-Owner for this module.
ASSOC PROF Heng Chun Huat
- EE2021E** 2015/2016, Semester 1
DEVICES AND CIRCUITS - You are Owner for this module.
ASSOC PROF Tan Leng Seow
- EG2401** 2015/2016, Semester 1
ENGINEERING PROFESSIONALISM - You are Read Manager for this module.
PROF Lee, Tong Heng (T.H.)

Below these is a 'Bookmarked Modules' section with a message: 'You have not bookmarked any modules. Search to bookmark a module.'

At the bottom is the 'Corporate Courses' section, which contains one entry:

- OSHFS01** 2012/2013, Semester 0
Fire Safety
MS Oh Siew Kee

A red arrow points to the 'Fire Safety' module name. The bottom of the screen shows a Windows taskbar with various application icons and the time 8:55 PM.

View the multimedia files, down the course materials, and take the assessment.

Consultation

Tools

Announcement

Assessment

Files (Workbin)

Multimedia

Survey

OSHFS01

Fire Safety

Others (Office Of Safety, Health And Environment)

Tags: --

Printer Friendly Collapse All

Quick Access to Active Tools

- Announcement 0
- Assessment To be taken after viewing the course (21 Dec 2012 12:00 AM - 31 Dec 2017 11:59 PM)
- Files Fire Safety
- Multimedia Click to take the course
- Survey Course Evaluation Survey (21 Dec 2012 12:00 AM - 31 Dec 2017 11:59 PM)

Learning Outcomes

- Equipped the users with the necessary awareness in basic fire prevention
- Understand the principles of extinguishment of fire and use of Dry powder extinguishers
- Understand the appropriate actions taken during fire evacuation

Syllabus

- Introduction: Why fire safety is important
- Common causes of fire
- Fire prevention measures
- Responding to a fire
- Extinguishing of a fire
- Fire evacuation procedures