

#	Programme
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Calling for Achievements in  
Competitions, Projects, Sports, etc.,  
so that we can broadcast!

Refer to <http://www.ceg.nus.edu.sg/students/achievements.html>



CEG3 & CEG4 students: Email to Winnie [cegcwn@nus.edu.sg](mailto:cegcwn@nus.edu.sg)

CEG1 & CEG2 students: Email to Mun Bak [lowmb@nus.edu.sg](mailto:lowmb@nus.edu.sg)

**Desmond & Kwee Lee**  $\neq$  **Resume Critique only**

**=** **Figure out my future** **+** **Improve my interview skills** **+** **Plan my time in NUS**

In other words, they are your personal career coaches in SoC!

Contacts	Career event calendar
Desmond's email: <a href="mailto:desmondteo@nus.edu.sg">desmondteo@nus.edu.sg</a>	<a href="http://bit.ly/soccareerevents">http://bit.ly/soccareerevents</a>
Kwee Lee's calendar: <a href="mailto:kweelee.lim@nus.edu.sg">kweelee.lim@nus.edu.sg</a>	

**NUS** National University of Singapore  
Centre for Future-ready Graduates

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**FoE Careers Advisory Team**

**NUS** National University of Singapore  
Centre for Future-ready Graduates

FYP Matters  
4 August 2016

A/Prof Hari K Garg

## CG4001 B.Eng. Dissertation

- Also known as Final Year Project (FYP)
- Objectives:
  - Embark on a project that involves a mix of research, design and development components
  - Apply knowledge and skills acquired in the classroom to develop innovative ways of solving problems
  - Acquire skills for independent and lifelong learning

## Cont'd

- Putting what you have learnt together, from “hard” to “soft” skills
  - Define problem
  - Solve problem, justify decision
  - Present and communicate ideas
  - Write and organize ideas clearly
  - Manage your time

## Why is FYP important?

- Programme Requirement, 12 MCs
- Large (over 2 semesters) project + individual effort
  - One of your main “portfolio” in your undergraduate studies
- A chance to work closely with a faculty member
  - You need a reference someday ....
- Minimum A- to be awarded First Class Honors  
(NB: not applicable for AY2012 intake & after)

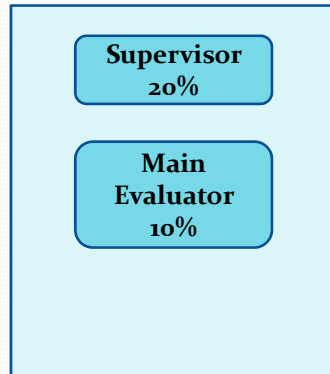
# CEG – FYP Management

CG4001 FYP site <http://www.ceg.nus.edu.sg/CG4001/>

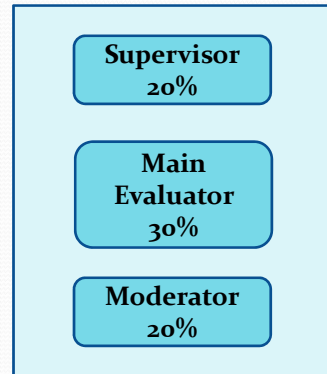
## FYP Assessment – Timeline

- First Semester: Continual Assessment
  - (Week 12) Report
  - (Reading Week) “Informal” Presentation
- Second Semester: Final Assessment
  - (Week 12) Report
  - (Reading Week) Formal Presentation
- Final Report/Survey
  - (Week after exam) Upload Report Soft Copy + Submit Exit Survey and FYP Survey online

## Evaluation



First Semester



Second Semester

## Assessors at Continual Assessment

- Supervisor (20%)
  - 1. Understanding
  - 2. Execution & Overall Achievements
  - 3. Effort
  - 4. Initiative
  - 5. Interim Report
- Main Evaluator (10%)
  - 1. Oral presentation
  - 2. Report: Statement of Problem
  - 3. Report: Critical Evaluation of Literature
  - 4. Report: Organization
  - 5. Overall Methodology
  - 6. Overall Implementation & Analysis

## Assessors at Final Assessment

- Supervisor (20%)
  - 1. Report: Statement of Problem
  - 2. Report: Critical Evaluation of Literature
  - 3. Report: Organization
  - 4. Overall
  - 5. Overall Implementation & Analysis

## Assessors at Final Assessment

- Main Evaluator (same person as CA) (30%)
  - 1. Oral presentation
  - 2. Overall Methodology
  - 3. Overall Implementation & Analysis
  - 4. Report: Statement of Problem
  - 5. Report: Critical Evaluation of Literature
  - 6. Report: Organization
- Moderator (20%)
  - 1. Oral presentation
  - 2. Overall Methodology
  - 3. Overall Implementation & Analysis

## Student Feedback – A Sample

A sample of feedbacks (edited and summarized)

- Great experience, eye opener, learnt many new things beyond lectures
- I enjoyed working on my final year project. It was an intense yet enriching experience.
- Train me to think critical.
- I have learnt how to manage my deadlines.

## Student Feedback – A Sample (cont'd)

- There was a couple of uncertainties but I learned to deal with that quite well through the module.
- The project honestly wasn't easy, but a fruitful experience nonetheless.
- Steep learning curve, as there was no bridge between taking modules and beginning research.
- FYP is difficult but necessary
- The entire FYP journey was filled with ups and downs



## FYP – Things to Remember

- You have to take the initiative
- Meet your supervisor regularly and seek help when you encounter problems
  - Request for meetings
  - Setup regular appointments
- Find out from your supervisor what is the expectation
- Manage your time, make sure you are making progress along the way and not wait till end of the project and start to panic

## ECE FYP Poster Competition

- FYP supervisors to recommend their students based on good progress and achievements-to-date in their FYP.
- Poster competition to be held in Week 13 of Semester 2 (date to be confirmed later).
- Nominated students to prepare an A1-size poster on their FYP and present their work to a judging panel.
- Three prizes worth \$200, \$150 and \$100 plus certificate.

## SoC FYP/UROP Innovation Award

- Recognise students who have developed innovative, practical and commercialisable ideas with the potential of substantial real-world impact.
- The successful awardee will win a cash prize up to S\$2,000.
- The Singapore Infocomm Technology Federation (SiTF) looks to review some of the promising projects for funding under the 123JumpStart where selected *project can potentially be funded up to \$250,000.*
- [www.comp.nus.edu.sg/entrepreneurship/awards/](http://www.comp.nus.edu.sg/entrepreneurship/awards/)

Academic Matters for CEG4  
4 August 2016

A/Prof MC Chan

# S/U Rules

For students from AY2013/2014 intake

Useful links:

- Registrar's Office

<https://myportal.nus.edu.sg/studentportal/academics/up/cohort-20134-and-before.html>

- Office of Undergraduate Programmes @ Faculty of Engineering

[http://www.eng.nus.edu.sg/ugrad/SI\\_su\\_policies.html](http://www.eng.nus.edu.sg/ugrad/SI_su_policies.html)

## S/U Rules AY2013/2014 intake & Prior

CEG students are NOT allowed to exercise S/U option on:

- Engineering modules (ALL levels), including those taken as unrestricted electives (UE) except for General Education (GEMs), Singapore Studies (SS) & Freshmen Seminar modules hosted by the Faculty,
- bridging modules (MA1301, PC1221 and PC1222),
- all modules hosted by SoC (regardless read as TE or UEM).

i.e. All modules offered by (any) Engrg departments (unless they are GEMs, SS or FMEs), bridging modules, and CP/CS/IS-coded modules must be on graded basis.

## Taking Additional Technical Electives

- Students are encouraged to read more than the minimum number of Technical Electives (TE) that are required for their respective degree programme. These additional TEs can be declared as unrestricted electives (UE).
  - With effect from AY2011/2012, **all technical electives**, regardless of host department & module type code, will be on **graded basis**.
- FAQ:
  - Q: I have eight technical electives under module type code 12. Can I use two of them to fulfill my UEM requirements?
  - A: Yes, you may do so under module type code 27 to fulfill UEM requirements. You can change the module type code yourself via Module Declaration at the Online DRC.
  - Q: Can I exercise my S/U option for those two 'TE-converted-to-UEM'?
  - A: No. They must be on graded basis.

## Technical Electives AY2013/2014 intake & Prior

- To achieve depth, CEG students need to read a minimum of three depth electives.
- All technical electives must add up to at least 24 MCs
- Modules hosted by CS or ECE may be used to fulfill CEG Technical Elective (TE) requirements. Generally, a level 3000 module will count as CEG TE Breadth, while a level 4000 will count as CEG TE Depth.
- EE2011, EE2022/5, IE2110, IE2130 may count as CEG TE Breadth

<http://www.ceg.nus.edu.sg/curriculum/electives.html>

# Degree Requirement Check DRC

<https://www.engg.nus.edu.sg/degree/login.html>  
(login via [WebVPN](#))

## Degree Requirement Check (DRC)

- Refer to 'Module Declaration Guidelines' via [http://www.eng.nus.edu.sg/ugrad/SI\\_Module\\_declaration.html](http://www.eng.nus.edu.sg/ugrad/SI_Module_declaration.html).
- Intended as a 'guide' only, for students to check status of their graduation requirements.
- Declare your modules in the correct 'module type code' using the 'Module Declaration Function'.
- All USP, NOC and DDP students have to track the fulfillment of their requirements manually as the online DRC is unable to cater to the different mapping rules.

## Degree Requirements Check (DRC)

- For AY2016/17, a couple of 'new' CS/EE modules have been added as CEG Technical Elective under the six concentrations.
- A couple of CS/EE modules (e.g. CS4211, EE4213) will NOT be offered in AY2016/17.
- The 'Technical Electives' page via DRC will be updated in due course.
- Do not solely rely on DRC.

## File For Graduation

via CORS

## FFG Checklist

[http://www.ceb.nus.edu.sg/students/FFG\\_Checklists.html](http://www.ceb.nus.edu.sg/students/FFG_Checklists.html)

## File For Graduation (FFG)

- File for graduation via CORS *in the semester you intend to graduate in*
- It is **student's responsibility** to check if all graduation requirements (i.e. core programme including technical elective rules, ULR (SS, GEMs, Breadth) and UEM) have been fulfilled
- You should use FFG checklists to do manual check, then tally against DRC
- Do NOT solely use the total number of MCs
- Do NOT solely rely on DRC

## Code of Student Conduct

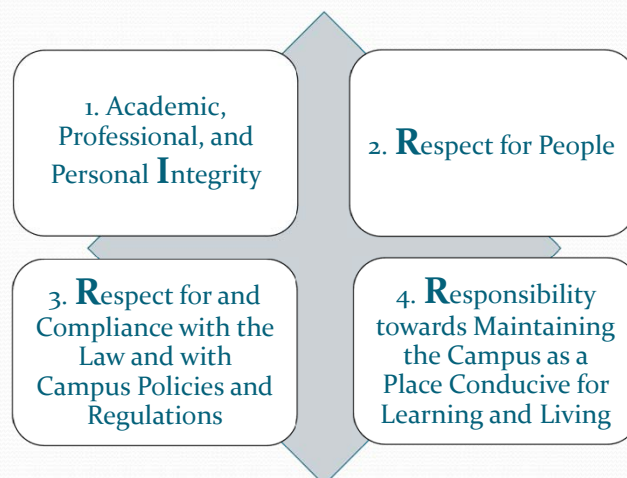
# Code of Student Conduct

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/administrative-policies/acceptance-record.html>

## NUS Code Of Student Conduct - 4 Fundamental Principles



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## 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 and/or online resources).
- Violations in Assessment Regulations
  - Unauthorised materials in assessment venue
  - Unauthorised electronic devices
  - Cheating/copying during assessment
- Forgery of Medical Certificate / supporting documents
  - Forging MCs for make up tests/assessments is an offence.

## Academic Dishonesty - Plagiarism

- All students share the responsibility for upholding the academic standards and reputation of the University. Academic honesty is a prerequisite condition in the pursuit and acquisition of knowledge.
- Academic dishonesty is any misrepresentation with the intent to deceive or failure to acknowledge the source or falsification of information or inaccuracy of statements or cheating at examinations/tests or inappropriate use of resources.
- There are many forms of academic dishonesty and plagiarism is one of them. Plagiarism is generally defined as 'the practice of taking someone else's work or ideas and passing them off as one's own'
- *The University does not condone plagiarism.*

[www.comp.nus.edu.sg/cug/plagiarism/](http://www.comp.nus.edu.sg/cug/plagiarism/)  
[www.eng.nus.edu.sg/ugrad/SI\\_plagiarism.html](http://www.eng.nus.edu.sg/ugrad/SI_plagiarism.html)

## 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/administrative-policies/discipline.html>

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

ST, 25 May 2013

### Student, 22, nabbed over sale of fake MCs

A FEMALE student aged 22 has been arrested for allegedly selling forged medical certificates (MCs) to other students.

According to the police, students contacted the suspect through social media and then arranged to meet her to buy the certificates, which were alleged to have fraudulently carried the letterheads of legitimate clinics.

The MCs were then reportedly submitted to schools so that the students could skip classes.

A police report was lodged after a teacher "of a school in the east" had suspicions about the certificates' authenticity.

The suspect was arrested in the vicinity of Ang Mo Kio Avenue 9 at around 10.30pm on Wednesday, and a stack of forged MCs found in her home were seized, police said.

While investigations are ongoing, preliminary findings indicate that the suspect had sold the forged certificates to at least 30 students between March and May.

Anyone found guilty of forgery for the purpose of cheating faces a jail term of up to 10 years and may also be fined.

HOE PEI SHAN

**NOTE: Forgery is a criminal offence under the Singapore law.**

# Degree Classification

<http://www.nus.edu.sg/registrar/education-at-nus/undergraduate-education/continuation-and-graduation-requirements.html#DegreeClassification>

## AY2012 intake & after

### Grade Point

A+/A	A-	B+	B	B-	C+	C	D+	D	F
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0

### Cumulative Average Point (CAP)

$$(\sum MC_i \times GP_i) / (\sum MC_i)$$

### Honours Classification

Honours (Highest Distinction)	CAP $\geq$ 4.5
Honours (Distinction)	CAP 4.0 to 4.49
Honours (Merit)	CAP 3.5 to 3.99
Honours	CAP 3.0 to 3.49
Pass	CAP 2.0 to 2.99

# AY2011 intake & prior

## Grade Point

A+/A	A-	B+	B	B-	C+	C	D+	D	F
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0

## Cumulative Average Point (CAP)

$$(\sum MC_i \times GP_i) / (\sum MC_i)$$

## Honours Classification

1 <sup>st</sup> Class Honours	CAP $\geq$ 4.5 & min A- for FYP
2 <sup>nd</sup> Class (Upper)	CAP 4.0 to 4.49
2 <sup>nd</sup> Class (Lower)	CAP 3.5 to 3.99
3 <sup>rd</sup> Class	CAP 3.2 to 3.49
Pass	CAP 2.0 to 3.19

# Awards

[http://www.ceg.nus.edu.sg/students/awards\\_commencement.html](http://www.ceg.nus.edu.sg/students/awards_commencement.html)

## Awards for graduating CEG4

- IES Gold Medal
  - Top graduating student
- Lee Kuan Yew Gold Medal
  - Best performing graduate
- Defence Science Technology Agency Gold Medal
  - Best local final-year student
- Halbrecht Associates Prize
  - Second top student
- IEEE Singapore Computer Society Gold Medal & Prize
  - One of the top students
- IEEE Singapore Computer Society Book Prize
  - Best Honours Year term project

## Cohort Representative

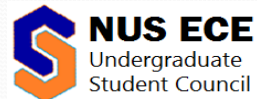
- In Sep 2014, the ECE Dept established the ECE Undergraduate Student Council (USC) comprising primarily of:
  - EE and CEG cohort reps,
  - ECE scholars,
  - Presidents of the ECE Club, IEEE NUS Student Branch and the IEEE-HKN NUS Chapter.
- In accordance with the USC Constitution, from last year onwards, cohort reps will be elected by the student body within the first 2 weeks of Semester 1.



## Cohort Representative

- Existing cohort reps and deputy reps are to continue their positions till the new reps have been elected. They are welcome to run for elections if they aspire to keep their positions.
- Candidate elected as cohort rep or deputy rep will represent his/her cohort on class matter.
- Only the Cohort Reps will be awarded USC memberships and will be involved in the broader mission of the USC.

Please look out for more information in the emails from ECE USC.



## Resources

### Department

- Peer tutoring programme
- ECE Caregroup (alternate weeks): goal setting, making new friendships, coping with exam stress
- Email Ms Nicole Phua [elepwn@nus.edu.sg](mailto:elepwn@nus.edu.sg) if interested

### Faculty

Mr Martin Nonis [engnmm@nus.edu.sg](mailto:engnmm@nus.edu.sg), Student Support Manager

### University

Counselling and Psychological Services (CPS) @ UHC

## University Health, Wellness & Counselling Centre

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

### Emotional & Psychological Well Being

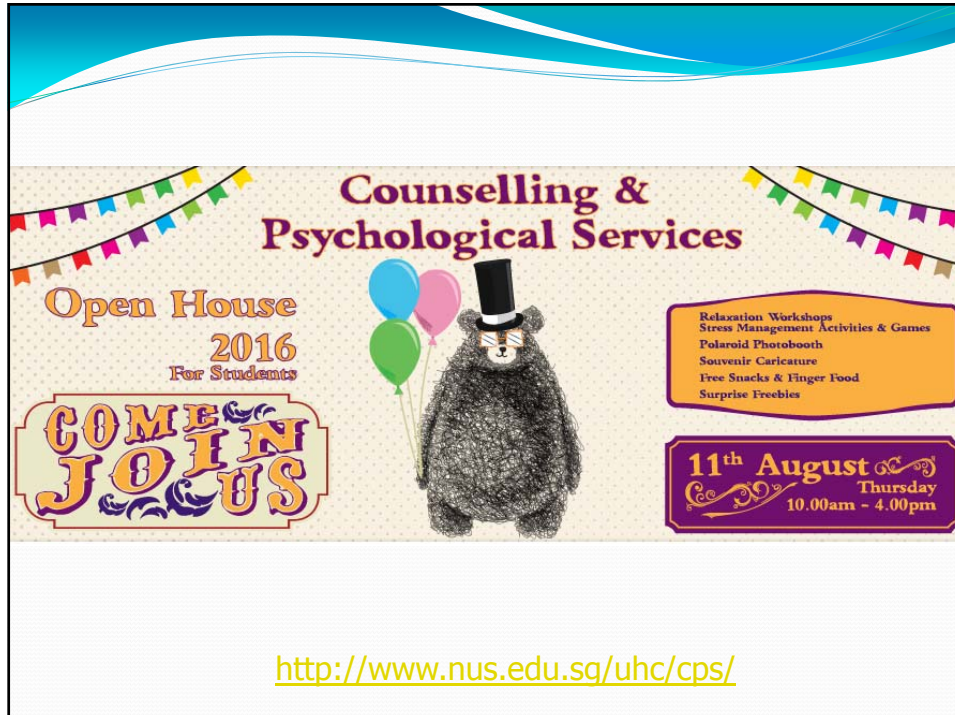
- Anxiety, Depression
- Mental Health, Self-Worth, Shyness, Stress
- Eating Disorders
- Sudden Loss and Grief
- Feelings, Loneliness

### Relationship Issues

- Abusive Relationships, Family Stress, Managing Conflicts, Surviving a Breakup

### Personal Effectiveness

- Decision Making, Motivation, Test Anxiety, Time Management, Challenges of University Life



**Counselling & Psychological Services**

**Open House 2016 For Students**

**COME JOIN**

Relaxation Workshops  
Stress Management Activities & Games  
Polaroid Photobooth  
Souvenir Caricature  
Free Snacks & Finger Food  
Surprise Freebies

**11th August**  
Thursday  
10.00am - 4.00pm

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

The poster features a central illustration of a grey bear wearing a black top hat and holding three balloons (blue, pink, and green). The background is decorated with colorful bunting flags. The text is arranged in a festive, celebratory style with various fonts and colors.



# Q&A