<table>
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<th>Programme</th>
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<td>FYP &amp; Academic Matters by Assoc Prof MC Chan</td>
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<td>Engineering FYP Information Literacy 2018/19 by Ms Irine</td>
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<td>Cohort Rep Election by Sheam Kannan</td>
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FYP & Academic Matters

Assoc Prof MC Chan

CEG FYP & Year 4 Coordinator
CG4001 BEng 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
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 ....
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
- Supervisor: 20%
- Main Evaluator: 10%

Second Semester
- Supervisor: 20%
- Main Evaluator: 30%
- Moderator: 20%
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
  - 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)

- .... I'm glad to have gone through the experience ....

- ... real work is subject to change and I have to be versatile ..... FYP is definitely one of the most meaningful module to me.

- Great experience, eye opener, learnt many new things beyond lectures

- ... CEGers are not required to do final year project (in the future). I do think this is bad news for them ...
Student Feedback – A Sample (cont’d)

- 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 Prize

- 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/
Examples of Past Achievement

- **Publications**
  - Ling Chun Kai (Class of 2015), AAAI 2016
  - and at last 7 more published since 2016

- **Awards:**
  - 6 University-level Outstanding Undergraduate Researcher (OUR) Prizes
  - 9 projects successfully got the SoC Innovation & Entrepreneurship awards and grants since 2015
  - Done well in national-level and international-level competitions
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
CEG1 & CEG2 students: Email to Mun Bak lowmb@nus.edu.sg
Faculty of Engineering
Career Advisor for Computer Engineering

Senthil Raja Jayapal
senthilr@nus.edu.sg

School of Computing
Career Advisor

Lim Kwee Lee
kweelee.lim@nus.edu.sg

SoC Career Services – refer to https://www.comp.nus.edu.sg/studentlife/careerservices/
S/U Rules / Grade-free First Semester
For students from AY2014 & AY2015 intakes

Refer to Registrar’s Office page on S/U matters
Grade-free First Semester

AY2014 & AY2015 intakes

• Exercise S/U option up to 20 MCs in the first semester, and up to 12 MCs in subsequent semesters
• Once an ‘S' or ‘U' grade is assigned to a module, it will count towards the 32 MCs limit that can be taken on an S/U basis.

• The S/U option can be exercised on:
  • All level 1000 modules (except for the English for Academic Purposes modules)
  • Level 2000 modules with no other NUS modules as pre-requisites (unless otherwise stipulated by the Facs/Depts)

... i.e. CANNOT exercise S/U option on technical electives.
Technical Electives  AY2014 & AY2015 intakes

- To achieve depth, CEG students need to read a minimum of two depth electives.
- All technical electives must add up to at least 12 MCs.

- Other modules hosted by CS or ECE (i.e. CS or EE coded) may be used to fulfil CEG Technical Elective (TE) requirements (under no particular concentration). Generally, a level 3000 module will count as CEG TE Breadth, while a level 4000 will count as CEG TE Depth.

http://www.ceg.nus.edu.sg/curriculum/electives.html
Taking Additional Technical Electives

- Students are encouraged to read more than the minimum number of Technical Electives (TEs) that are required for their degree programme. These additional TEs can count as unrestricted elective module (UEM).
  - All technical electives, regardless of host department & module type code, will be on graded basis (since they are all higher-level and/or with NUS prerequisites).

FAQ:
- Q: Do I need to declare my extra technical elective(s), in order to fulfill UEM requirements?
  - A: No, not necessary. DRC will be replaced by ‘My Graduation Audit Report’ wef AY2018/19. For the latter, the extra modules (that are not used to fulfill Programme/Major or ULR/GE requirements) will automatically count towards UEMs.
Apply For Graduation (AFG)

- Apply For Graduation via SIS in the semester you intend to graduate in
  - For sem 1, AY18/19: AFG from 27 Aug – 7 Sept 2018
  - For sem 2, AY18/19: AFG from 14 Jan – 8 Feb 2019
  [For the Special Terms: AFG from 17 – 20 Jun 2019]

- It is student’s responsibility to check if all graduation requirements (i.e. CEG Programme/Major including technical electives, ULR/GE and UEM) have been fulfilled

- You should do manual cross-check using the FFG checklist and your unofficial transcript
Limit on Level 1000 modules

- Students should not read more than 60 MCs of level 1000 modules towards their degree requirements (minimum of 160 MCs for graduation). Refer to http://www.nus.edu.sg/registrar/education-at-nus/undergraduate-education/degree-requirements.html

- If a student exceeds the 60 MCs limit of level 1000 modules, some of the level 1000 modules taken as UEM will not be counted towards the 160 MCs graduation requirement even though they will still count towards the CAP computation. In such a situation, students may have to take a level 2000 (or higher) module as UEM.

- As an example, if you have 64 MCs of level 1000 modules (i.e. 4 MCs extra), your minimum MCs for graduation becomes 164.
My Graduation Audit Report
My What-If Report

- Available via SIS from AY2018/19, Semester 1
  13 Aug 2018 – 23 Nov 2018

- The current list of CEG technical electives (TEs), in SIS, is outdated. It will only be updated in mid-Sept (and mid-Feb for sem 2).

- All CS/EE-coded level 3000/4000 modules (not listed within the six CEG concentrations) may count as CEG TE Breadth/Depth.

- IF a TE shows up as UEM (or vice versa) in your graduation audit report, as long as you have done your own manual cross-check, do not/need not get overly anxious.
Code of Student Conduct

http://www.nus.edu.sg/registrar/administrative-policies/acceptance-record.html
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 a criminal offence under Singapore Law.
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/
Degree Classification

http://www.nus.edu.sg/registrar/education-at-nus/undergraduate-education/continuation-and-graduation-requirements.html#DegreeClassification
AY2012 intake & after

Grade Point

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<th>Grade</th>
<th>GPA</th>
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<tr>
<td>A+/A</td>
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</tr>
<tr>
<td>A-</td>
<td>4.5</td>
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<tr>
<td>B+</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>3.5</td>
</tr>
<tr>
<td>B-</td>
<td>3.0</td>
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<tr>
<td>C+</td>
<td>2.5</td>
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<tr>
<td>C</td>
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<tr>
<td>D</td>
<td>1.0</td>
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<td>F</td>
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Cumulative Average Point (CAP)

\[ \frac{\sum MC_i \times GP_i}{\sum MC_i} \]

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 \( 2.99 \)
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
  - A top student
- IEEE Singapore Computer Society Book Prize
  - Best Honours Year term project (i.e. CG4001)
University Counselling Services Open House

27th August, 10am - 4pm
University Health Centre, Level 2

Come & Celebrate With Us!

Door Gifts
Activities
Photobooth
Refreshments
Gong Cha Vouchers*... open to all NUS students!
University Health, Wellness & Counselling Centre

http://www.nus.edu.sg/uhc/services/mental-health/student.html

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
Q&A