BEng Electronics

B T Lokesh

bheemal@suss.edu.sg

SUSS
SINGAPORE UNIVERSITY OF SOCIAL SCIENCES

School of Science and Technology

Sexual Misconduct

SUSS's sexual misconduct policy is available 24/7 via
Student Portal → Policy and Procedures → Sexual Misconduct Policy

SUSS has zero tolerance for sexual misconduct
Prompt disciplinary action will be taken against perpetrators – even first-time offenders

- Disciplinary Sanctions include Expulsion
- Stiff Penalties by Law

Students who have experienced an incident of sexual misconduct can contact Student Services Department at 6248 9111

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Orientation

1. Introduction to SST & BEng Electronics
2. PEOs & SLOs
3. Academic Week Calendar
4. Programme Presentation
5. Curriculum Plan
6. Assessments & Scoring
7. Grading & CGPA
8. Graduation Requirements
9. COVID-19 measures
10. Correspondence

1. Introduction

- School of Science & Technology (SST) is one of the 5 schools in SUSS
- BEng Electronics fully accredited by EAB in April 2013, re-accredited in 2018, pending re-accreditation in 2022
- Direct honours programme

2. PEOs & SLOs

- Adopted outcome based education since 2012

- Programmes Educational Objectives (PEOs) – are attributes that graduate from the programme must achieve within 2 years from graduation

- Student Learning Outcomes (SLOs) – are attributes that a student mush achieve at the time of completing all the courses in the programme.

- SLOs are also known as Programme Learning Outcomes (PLOs)

https://sst.suss.edu.sg/Programmes/Electronics/PEO.html

3. Academic Week Calendar

JANUARY SEMESTER			JULY SEMESTER		
Calendar Week	Week Starting	Events	Calendar Week	Week Starting	Events
1	02 Jan		27	03 Jul	
2	09 Jan		28	10 Jul	
3	16 Jan	Release of Online Timetable	29	17 Jul	Release of Online Timetable
4	23 Jan	Class Week 1	30	24 Jul	Class Week 1
5	30 Jan	Class Week 2	31	31 Jul	Class Week 2
6	06 Feb	Class Week 3	32	07 Aug	Class Week 3
7	13 Feb	Class Week 4 Term 1	33	14 Aug	Class Week 4 Term 1
8	20 Feb	Class Week 5	34	21 Aug	Class Week 5
9	27 Feb	Class Week 6	35	28 Aug	Class Week 6
10	06 Mar	Class Week 7	36	04 Sep	Class Week 7
11	13 Mar	Class Week 8	37	11 Sep	Class Week 8
12	20 Mar	Class Week 9	38	18 Sep	Class Week 9
13	27 Mar	Class Week 10	39	25 Sep	Class Week 10
14	03 Apr	Class Week 11 Term 2	40	02 Oct	Class Week 11 Term 2
15	10 Apr	Class Week 12	41	09 Oct	Class Week 12
16	17 Apr	Class Week 13	42	16 Oct	Class Week 13
17	24 Apr	Class Week 14	43	23 Oct	Class Week 14
18	01 May	**Self Revision + Re-sit Revision Lecture**	44	30 Oct	**Self Revision + Re-sit Revision Lecture**
19	08 May	**Self Revision + Re-sit Revision Lecture**	45	06 Nov	**Self Revision + Re-sit Revision Lecture**
20	15 May	**Examinations**	46	13 Nov	**Examinations**
21	22 May	**Examinations**	47	20 Nov	**Examinations**
22	29 May		48	27 Nov	
23	05 Jun		49	04 Dec	
24	12 Jun		50	11 Dec	
25	19 Jun	Release of Exam Results	51	18 Dec	Release of Exam Results
26	26 Jun		52	25 Dec	

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3. Academic Calendar – Events

Events in 2023	January Semester	July Semester
Orientation (for new students only)	14 Jan 2023	8 Jul 2023
Collection of Course Materials (for continuing students) Courier Service Application and Delivery Period	23 Dec 2022 – 25 May 2023	23 Jun 2023 – 23 Nov 2023
Applications for Financial Aid and Scholarship	1 Feb – 15 Mar 2023	1 Aug – 15 Sep 2023
Application for MOE Tuition Fee Loan & Study Loan	1 Mar – 31 May 2023	1 Sep – 30 Nov 2023
Applications for Transfer of Programme (TOP)	25 Apr – 1 May 2023	25 Oct – 31 Oct 2023
Online Course Evaluation (eCE) and Online Course Registration (eCR)	4 Apr - 12 Apr 2023	10 Oct - 18 Oct 2023
Release of Exam Results	21 Jun 2023	20 Dec 2023
Requests for Exam Results Review	21 Jun - 25 Jun 2023	20 Dec - 24 Dec 2023
Release of Course Offer and Add/Drop Period (for courses to be taken in the following semester)	23 Jun - 6 Jul 2023	22 Dec 2023 - 4 Jan 2024
Course Fee Payment Deadline	6 Jul 2023	4 Jan 2024
Convocation Ceremonies	11 Oct – 13 Oct 2023	

The University reserves the rights to amend and/or revise the above schedule without any prior notification.

4. Programme Presentation

- 6 seminars for 5 cu course
  - Seminars : 7.00pm to 10.00pm
- For lab-based courses, labs are scheduled on weekends
- Course textbooks, study guides, seminar slides are available through Canvas
- Access to past year final exam question papers (EQPs)

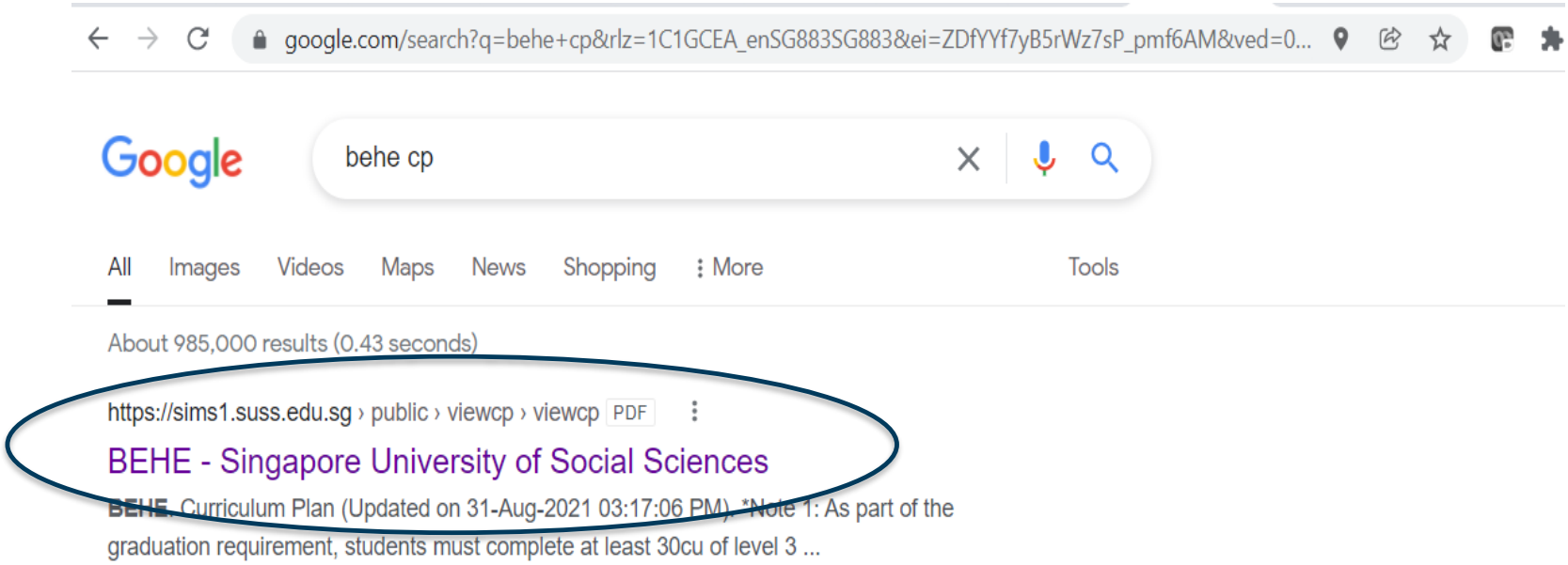
4. Programme Presentation

- Complete pre-class quizzes (PCQs) before 23:55
  - Maximum only 3 attempts
- Form a group and study together
- Do not suffer alone.
- Devote a dedicated timeslot for your study
- Don’t procrastinate, time flies

5. Curriculum Plan

- 10 cu – SUSS Core
- 120 cu – Core/Compulsory Courses
- 10 cu – Capstone Electronics Project
- 30 cu – Elective Courses
- Total 170 cu

5. Curriculum Plan



5. Curriculum Plan

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BEng Electronics

BEHE

Curriculum Plan (Updated on 31-Aug-2021 03:17:06 PM)

*Note 1: As part of the graduation requirement, students must complete at least 30cu of level 3 courses & above from the compulsory & electives.
*Note 2: Students reading a programme with a minor must complete an additional 10cu at level 3 from the minor electives.
(This applies to all students who have not completed all their minor courses by Jul09 semester.)
*Note 3:Students are strongly advised to follow the proper progression of course level (ie, take level 1 courses before level 2, and level 2 before level 3).
*Note 4:Timetable- Detail of the class day, week and term would be reflected on the table below. If it is blank, a separate timetable will be issue to you at a later stage.

COMPULSORY - 130 cu

Code	Name	Credit Units	Jul 21	Jan 22	Jul 22	Jan 23	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ENG101	Analogue Electronics Design	5	Y	Y	Y	Y	2026/07	RUN01-THURSDAY WEEK 1 Alternate Week RUN02-WEDNESDAY WEEK 1 Every Week		HESZ231		Labs will be conducted on weekends.	LAB
ENG103	Digital Electronics Design	5	Y	Y	Y	Y	2026/07	RUN01-THURSDAY WEEK 2 Alternate Week RUN02-THURSDAY WEEK 2 Every Week		HESZ231		Labs will be conducted on weekends.	LAB
ENG105	Design of Logic Systems	5	Y	Y	Y	Y	2026/07	TUESDAY WEEK 1 Alternate Week	ENG103	HESZ231		Labs will be conducted on weekends. Strongly suggested prerequisite: ENG103	LAB
ENG107e	Intellectual Property and Patents	5	Y	Y	Y	Y	2025/07	TUESDAY WEEK 2 Alternate Week		TZS173			NON-LAB

5. Curriculum Plan

- Plan your study using the curriculum plan
- A few course are presented only in alternate semesters
- Progress from Level 1XX to Level 2XX and to Level 3XX course
- Do not overload, consume what you can bite

5. Curriculum Plan – UCore

- 10 cu of courses
- Compulsory for all students joining SUSS
- Best to complete within first 4 semesters
- Not included in your 20 cu course load limit

5. Curriculum Plan – Certification in Data Science

- Complete the following elective courses to get certification in Data Science
  - ANL201 Data Visualization for Business
  - ANL303 Fundamentals of Data Mining
  - ICT330 Database Management Systems

6. Assessments & Scoring

- OCAS – Overall Continuous Assessment Score
  - PCQs (for selected courses)
  - Comprises class tests, lab tests and assignments
  - Class tests are conducted during the 3rd and 5th seminars
  - Lab tests are conducted after the seminars
  - Assignment submissions are done online
  - Final weighted score is upon 100

- OES – Overall Examination Score
  - Final written exam (2 hours)
  - Open-book examination (4 question, 25 marks each)
  - Max marks is 100

- FRS – Final Rank Score
  - Decides the grade
  - Obtained from both OES and OCAS

6. Assessments & Scoring

- OCAS (contributes 30% to FRS)
  - Class tests, Lab tests, TMA (Tutor marked assignment), Lab report, GBA (group based assignment)
  - ENG101 OCAS (2 CT – 6%, 1LT – 8%, 1GBA – 10%)
  - OCAS = (6*ct1 + 6*ct2 + 8*lt + 10* gba)/30
  - In general
    - OCAS = (ct1 + ct2)/2 or OCAS = (ct1 + ct2 + lt)/3

- OES – contributes 70% to FRS

- FRS = 70%OES + 30% OCAS
  = 0.7*OES + 0.3*OCAS

6. Assessments & Scoring

- To pass the course
  - OCAS >= 40% & OES >= 40%

- If OCAS < 40%, do not sit for the exam
  - Automatically given withdraw (W) grade
  - Will not affect CGPA, repeat the course in next presentation

- If OCAS > 40% and OES < 40%, then student gets “F” grade
  - CGPA is reduced due to F grade
  - Resit course in next presentation

- If OCAS > 40% and absent for final exam
  - W grade awarded with “Resit” in next immediate presentation

7. Grading & CGPA

	GPA Grading Scheme		GPA
1st class	A+	85% to 100%	5.0
	A	80% to 84%	5.0
	A-	75% to 79%	4.5
2nd upper	B+	70% to 74%	4.0
2nd lower	B	65% to 69%	3.5
3rd	B-	60% to 64%	3.0
Pass	C+	55% to 59%	2.5
	C	50% to 54%	2.0
	D+	45% to 49%	1.5
	D	40% to 44%	1.0
	F	< 40%	0.0

The same grading system is applied to courses from Levels 1 to 4 and all courses taken by a student will count towards the Honours Classification

7. Grading & CGPA

- Cumulative Grade Point Average (CGPA) is computed as follows:

$$CGPA = \frac{\sum_{courses} grade\ point\ \times course\ cu}{total\ number\ of\ cu}$$

- Student CGPA is continuously monitored

7. Grading & CGPA

SUM (course cu x course GPA) / (total cu of all graded courses).

Illustration 1 (with no withdrawal grade):

Course	Number of cu	Grade	Grade Point
Course 1	10 cu	A	5
Course 2	5 cu	F	0
Course 3	3 cu	D	1

CGPA = [10 (5) +5 (0) + 3 (1)] / [10 + 5 + 3]
= 53 / 18
= 2.94

Illustration 2 (with withdrawal grade):

Course	Number of cu	Grade	Grade Point
Course 1	10 cu	A	5
Course 2	5 cu	W*	-
Course 3	5 cu	F	0
Course 4	3 cu	D	1

CGPA = [10 (5) +5 (0) + 3 (1)] / [10 + 5 + 3]
= 53 / 18
= 2.94

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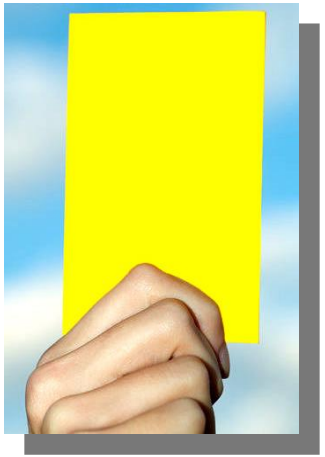
7. Grading & CGPA

1st Time CGPA < 2.0



1st warning letter from Dean

Counselling by HOP

2nd Time CGPA < 2.0

Termination Letter from Registrar

7. Grading & CGPA

- What happens next if terminated?
  - Student can re-start the same programme, or
  - Start another programme
  - Student can only use the remaining duration of study and subsidy
  - Student can get a maximum of 60cu as credit recognition subjected to CGPA and programme requirements (excluding 10cu SUSS core)
  - At most can only restart the programme once

8. Graduation Requirements

- Complete 170cu within 8 years from the date of joining the programme

- Have a CGPA of at least 2.00

- Honours Classification:
  - First Class: CGPA of 4.5 to 5.0 and at least an A- in ENG499
  - 2nd Upper: CGPA of 4.0 to 4.49
  - 2nd Lower: CGPA of 3.50 to 3.99
  - 3rd Class: CGPA of 3.00 to 3.49
  - Pass: CGPA of 2.00 to 2.99

9. COVID-19 Measures

- Seminars are conducted F2F/virtual (via Zoom)
- Labs are conducted on campus
- Class tests will be on campus from 10pm to 10.30pm (3rd and 5th seminars)
- Exams will be campus TOA – 2hr (15 min to upload)

10. Correspondence

- Always use SUSS email id for contacting AFs or School or University

- HoP: Dr B T Lokesh,
  email: bheemal@suss.edu.sg

- Senior Executive: Ms Sharlotte Chen Yingting,
  email: sharlottechenyt@suss.edu.sg

11. Contact Information

What: All enquiries on student matters e.g. textbooks, materials, course registration, course offer, appeals, withdrawals, deferment, examinations matter, etc.	What: Matters related to your programme, e.g. make-up tests, academic advice.	What: Matters related to your course, e.g. clarification of lessons
Who: Student Helpdesk by SUSS's Student Support Department	Who: The School of Science & Technology	Who: Your lecturers
How: 6248-9111 (press 1 for Student Support Dept; students@suss.edu.sg) (press 2 for Technical Enquiries) lssupport@suss.edu.sg regarding Canvas LMS; mymailsupport@suss.edu.sg regarding MyMail)	How: Head of Programme (for programme-related queries) bheemal@suss.edu.sg or Programme Executive sharlottechenyt@suss.edu.sg	How: Via your lecturers' emails

Journey with SUSS – ***avoiding the pitfalls***

START

Collect course materials.

Use Canvas for downloading softcopies, watch videos, submitting assignment, doing online quiz, etc.

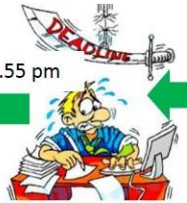
Use only SUSS email or wait forever.

Take the recommended number of credit units or less, but not more because...

... you have work , family and other commitments.

You need to rush from work for lesson starting at 7pm.

Time flies, e.g. 4 weeks to do assignment is effectively 4 days on weekends.



11.55 pm

Continuous assessment deadline at 11.55 pm , with mark deduction scheme scheme.

Ensure good internet connection during assignment / online quiz submission

Ensure assignment is submitted into correct folder. Otherwise...

Be early for exams. Latecomers (> 30 minutes) are barred from exam.

Passing mark is 40 (i.e. D grade) for OCAS & OES.

CGPA ≥ 2.0 (C grade) to graduate.
Two (2) strike rule applies.

Those with CGPA ≥ 3.5 can be invited for honours programme. To get honours degree, CGPA ≥ 3.0.

The END of a successful journey marks the beginning of a NEW one.

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C-three (Counselling and Life Coaching)

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Be supported through transitions @ C-three

Adapting to University Life

- family-work life balance,
- assignments & deadlines

Managing Motivation & Emotions

- low mood,
- anxiety,
- anger, frustration,
- procrastination & low motivation
- fatigue
- physical / health issues

Relationship Challenges

- social challenges,
- personal & romantic relationships,
- family or marital issues

Coping with Crisis

- bereavement, loss,
- separation,
- traumatic experiences

Seeking Purpose & Direction

- personal growth,
- career decisions,
- self discovery

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Build
Strength,

Find
Inspiration

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Thank You!