

**school of  
life sciences  
& chemical  
technology**



**CHEMICAL & BIOMOLECULAR ENGINEERING  
(CBE)**

**#ngeeannpoly**

# Stream A

- CE1A01
- Start with Level 1.1 modules

try try  
onal nal

# Which class are you in?

Stream

# A

- CE1A01
- Start with Level 1.1 modules

- (a) Inorganic & Physical Chemistry
- (b) Data Analytics & Engineering Drawing
- (c) Chemical & Biomolecular Engineering Principles
- (d) Engineering Mathematics 1
- (e) CPP1 - Career and Professional Preparation I
- (f) IS Module

Stream

# B

- CE1A02
- Start with Level 1.2 modules

- (a) Organic & Biological Chemistry
- (b) Thermodynamics
- (c) Engineering Mathematics 1
- (d) CPP1 - Career and Professional Preparation I
- (e) IS Module

Stream

# B

- CE1A03
- Start with Level 1.2 modules

- (a) Organic & Biological Chemistry
- (b) Thermodynamics
- (c) Engineering Mathematics 1
- (d) CPP1 - Career and Professional Preparation I
- (e) IS Module

# Stream A

- CE1A01
- Start with Level 1.1 modules



- Advisor: Mr. Neo Tiong Cheng
- NEO\_Tiong\_Cheng@np.edu.sg

# Stream B

- CE1A02
- Start with Level 1.2 modules



- Advisor: Mr. Wong Yew Loong
- WONG\_Yew\_Loong@np.edu.sg










# Stream B

- CE1A03
- Start with Level 1.2 modules



- Advisor: Dr. Li Cunben
- LI\_Cunben@np.edu.sg

# CBE Teaching Team

<b>Dr Akasta Sinaga</b>	<b>Mr Mirko Stoll</b>	<b>Dr Noel Xu</b>	<b>Dr Song Shiwei</b>	<b>Dr Zhou Xingding</b>
				
<b>Dr Geng Anli</b>	<b>Ms Corliss Lin</b>	<b>Dr Xiong Junying</b>	<b>Dr Su Jincal</b>	
				

# Academic Calendar

## April 2024 Semester 1

Teaching Weeks	15 Apr 2024 to 9 Jun 2024
Break	10 Jun 2024 to 23 Jun 2024
Teaching Weeks	24 Jun 2024 to 11 Aug 2024
Study & Examination Weeks	12 Aug 2024 to 25 Aug 2024
Vacation	26 Aug 2024 to 13 Oct 2024

## October 2024 Semester 2

Teaching Weeks	14 Oct 2024 to 15 Dec 2024
Break	16 Dec 2024 to 5 Jan 2025
Teaching Weeks	6 Jan 2025 to 16 Feb 2025
Study & Examination Weeks	17 Feb 2025 to 2 Mar 2025
Vacation	3 Mar 2025 to 20 Apr 2025



**“Begin with the end in mind.”  
Stephen Covey**

**YOU ONLY HAVE THREE  
YEARS WITH US!**

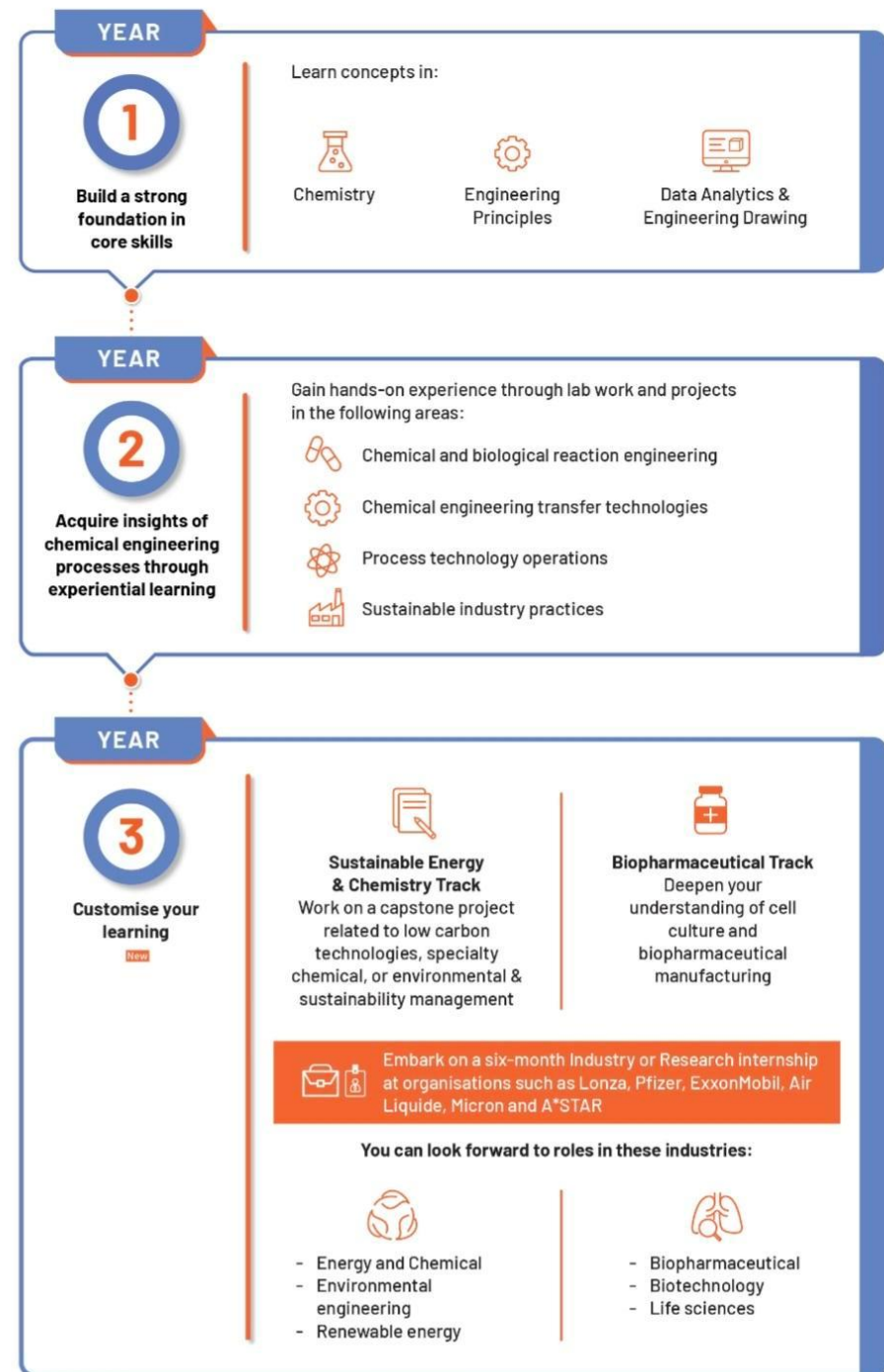


**A GOAL  
WITHOUT A PLAN  
IS JUST A  
WISH**



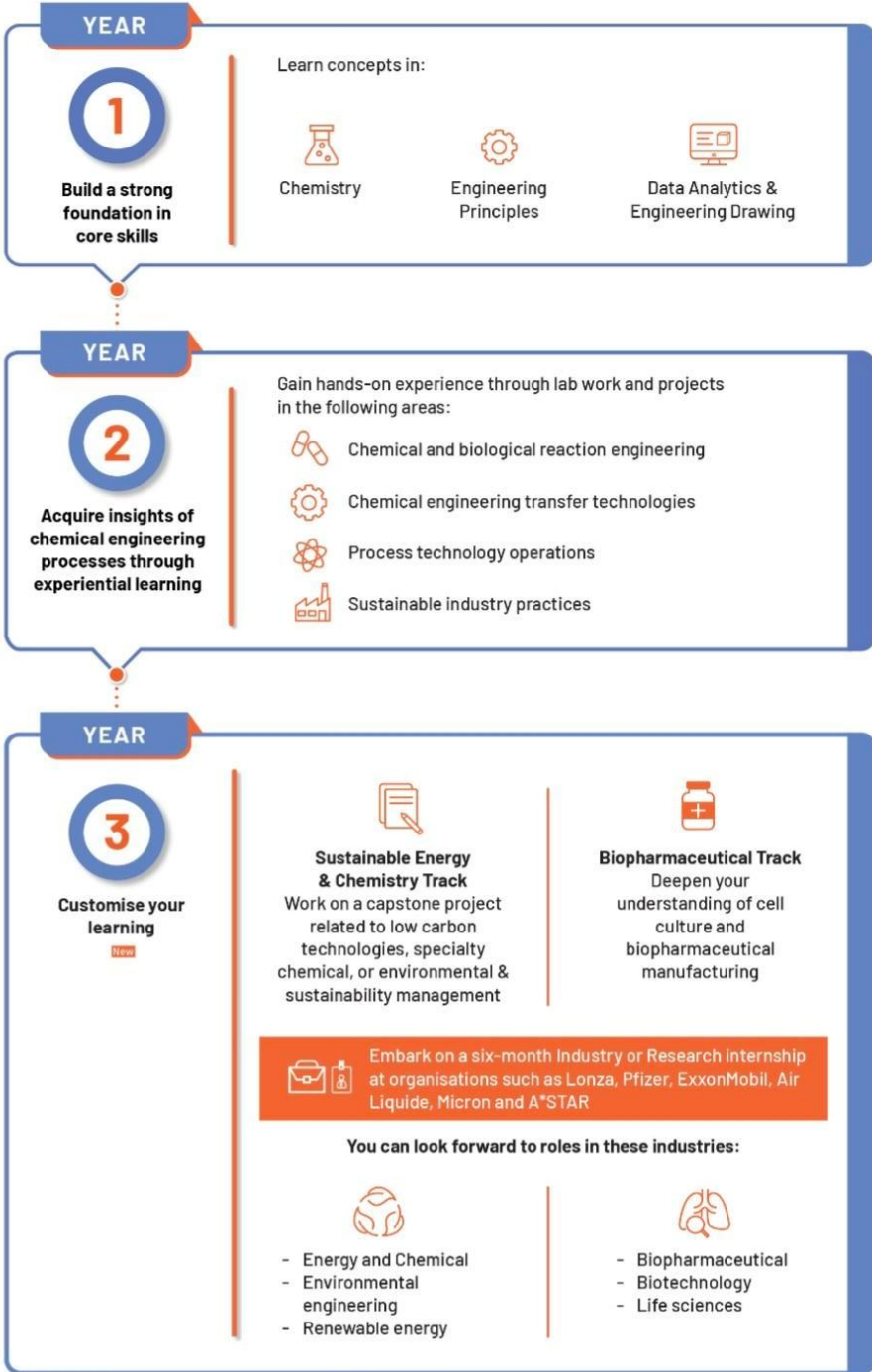
# Year 1 – Building foundation

- Transition from Secondary/ITEs to Polytechnic
- Time management skills
- Foundation modules in Chemistry, Biology, Physics and Mathematics
- Take part in CCA
- Take part in competitions/activities



# Year 2 – Experiential Learning

- Hands-on experience through lab work and projects
- Experience Personalized Learning Pathway
- Active in CCA/competition – Lead in activities to hone leadership skills



# Year 3 – Application

- Choose the pathway for Level 3.1
- Choose your internship placement for Level 3.2

**YEAR**

**1**

**Build a strong foundation in core skills**

Learn concepts in:

- Chemistry
- Engineering Principles
- Data Analytics & Engineering Drawing

**YEAR**

**2**

**Acquire insights of chemical engineering processes through experiential learning**

Gain hands-on experience through lab work and projects in the following areas:

- Chemical and biological reaction engineering
- Chemical engineering transfer technologies
- Process technology operations
- Sustainable industry practices

**YEAR**

**3**

**Customise your learning**

**Sustainable Energy & Chemistry Track**  
Work on a capstone project related to low carbon technologies, specialty chemical, or environmental & sustainability management

**Biopharmaceutical Track**  
Deepen your understanding of cell culture and biopharmaceutical manufacturing

Embark on a six-month Industry or Research internship at organisations such as Lonza, Pfizer, ExxonMobil, Air Liquide, Micron and A\*STAR

**You can look forward to roles in these industries:**

- Energy and Chemical
- Environmental engineering
- Renewable energy
- Biopharmaceutical
- Biotechnology
- Life sciences

# For more information...

<https://www.np.edu.sg/schools-courses/academic-schools/school-of-life-sciences-chemical-technology/diploma-in-chemical-biomolecular-engineering>



# “Begin with the end in mind.” Stephen Covey

## Academic

- Advanced/Specialist Diploma (WSP)
- University

## Career

- Laboratory / Research Assistant
- Assistant Engineer (Chem, Env, Project, Process)

# Academic Progression Pathway

## In Work Study Programme (WSP):

- ✓ All students are hired by participating companies while pursuing Advanced / Specialist Diploma certification.
  - ✓ I.e. The WSP students will be earning monthly salary
  - ✓ Examples include Shell, GSK, Mitsui Chemicals, Croda, and Stolthaven.
  
- ✓ Recognized Advanced / Specialist Diploma certification
  - ✓ Training on relevant industrial skills and competencies.
  - ✓ Two options:
    - Advanced Diploma in **Chemical Engineering**
    - Specialist Diploma in **Analytical Sciences**

# Academic Progression Pathway

LOCAL UNIVERSITY	Related Courses
National University of Singapore	Chemical Engineering
	Environmental Studies Environmental Engineering Material Science / Engineering Science (Chemistry)
Nanyang Technological University	Chemical & Biomolecular Engineering
	Chemical & Biological Sciences Environmental Engineering Science (Education)
Singapore Institute of Technology (2 to 2 <sup>1/2</sup> year Programme)	Bachelor of Engineering (Chemical Engg) Bachelor of Pharmaceutical Engineering

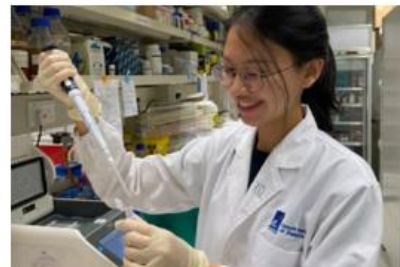
# LEARNING@NP FOR AY24 FRESHMEN

Dr Lee Kim Sung David

Deputy Director (Academic)

Lee\_Kim\_Sung@np.edu.sg

**BRIEFING DONE BY**  
**Dr David Lee on Monday**





# GETTING STARTED



# DEVICES

**What device does my course require?**

Check it [HERE](#).

1

**Where can I get info on Notebook Models & Purchase?**

You can find recommendations, notebook models, FAQs, brochures and more in the link below:

<http://www.np.edu.sg/notebook>

2

**What must I do before installing software?**

You must register your notebook.

Windows computer:  
[Guide to Registering your Device & Installing Software](#)

[MacBook: Guide to Registering you Device & Installing Software](#)

4

**Where do I install software for my course?**

Go to Software & IT Assist Portal from the link below:

<http://www.np.edu.sg/software>

3



- Full-time Students
  - Student Portal
  - POLITEMall
  - NPal
  - Connect Mail

- Part-time Students
- Staff
- Parents

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Home > About NP > Contact

## Contact List



- General Enquiries & Feedback

## Contact Us - For Students



- General Enquiries & Feedback

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- 🌐
- 📷
- 📧
- +
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# 1. Student Portal



Home

**NEED TO TALK TO SOMEONE? WE ARE HERE FOR YOU.**

To see a Student Counsellor or para-counsellor, call 6460-6380 or scan this QR code to make an appointment

In situations of crisis or emergency, please call 6460-6777 or SOS at 1-767

- CODE OF CONDUCT
- OVERSEAS STUDENT PROGRAMMES
- ADMIN FORMS
- CAMPUS LIFE VIDEOS
- NPAL2 LINK



ANNOUNCEMENTS

CAMPUS JOBS

# 2. POLITEMall → BrightSpace



Foundation Modules Discipline-Specific Modules General Modules Professional Development

- My Courses
- POLITEMALL Courses
- NP Courses
- Logout



Embark on your Online Learning Journey

EXPLORE MODULES >

## About POLITEMall

Developed jointly by Singapore's five polytechnics and ITE, POLITEMall is your one-stop portal to access online learning content across multiple sectors and disciplines. In POLITEMall, you will be able to access high quality learning resources at your fingertips for an engaging online learning experience!

## Polytechnic-ITE Staff or Students

# 3. NPai2

https://npalstudent.np.edu.sg/psp/student/?cmd=login&languageCd=ENG&

NPai2 Ngee Ann Polytechnic  
Access for All

**Sign In**

This Service is for Authorised Users Only

[NPai2 Help/FAQ | Feedback](#)  
[Forgot Password | Change Password](#)

As an added security measure, please [clear browser cache](#) after use.

By clicking on the Sign In button, you agree to be bound by the terms specified in the [Terms and Conditions](#).



Available on the  
**App Store**



ANDROID APP ON  
**Google play**

# NPal2 Student System



<https://npalstudent.np.edu.sg>

The Login Screen has

- User ID format:  
If student number is 12345678A, the User ID would be s12345678.  
Drop the check digit at the end of your student number, eg "A"
- QR codes for students to download mStudent
- Links to reset if forgotten or change to a password they fancy

The screenshot shows the NPAl2 Student System login interface. At the top right, the logo reads "NPAl2 Ngee Ann Polytechnic Access for All". The login form is divided into two main sections. The left section contains input fields for "User ID" and "Password", with a blue "Sign In" button below them. The right section contains a disclaimer: "This Service is for Authorised Users Only", followed by links for "NPAl2 Help/FAQ | Feedback Form", "Forgot Password | Change Password", and a security notice: "As an added security measure, please clear browser cache after use." Below this is a statement: "By clicking on the Sign In button, you agree to be bound by the terms specified in the Terms and Conditions." At the bottom of the right section are two QR codes, one for the App Store and one for Google Play.



# NPal2 Student System (Landing Page)

Favorites Main Menu

Help

**My School's Announcement/Event**

Message	By
1 <a href="#">Application for Bursaries &amp; Grants for Full-time Diploma Students</a>	Student & Alumni Services Ofc
2 <a href="#">Application period for Mendaki/PSEA/CPF/TFL (April 2020 Semester)</a>	Finance Office
3 <a href="#">Examination Notices for Full-time Diploma Courses</a>	Academic Affairs
4 <a href="#">Fees due date for AY2019 S2 and AY2020</a>	Finance Office
5 <a href="#">Examination Notices for Full Time Courses</a>	Academic Affairs
6 <a href="#">Examination Notices for Part-time Courses</a>	CET Academy

**Campus Announcement**

Message	By
1 <a href="#">Application for Bursaries &amp; Grants for Full-time Diploma Students</a>	Student & Alumni Services Ofc
2 <a href="#">Application period for Mendaki/PSEA/CPF/TFL (April 2020 Semester)</a>	Finance Office
3 <a href="#">Examination Notices for Full-time Diploma Courses</a>	Academic Affairs
4 <a href="#">Fees due date for AY2019 S2 and AY2020</a>	Finance Office
5 <a href="#">Examination Notices for Full Time Courses</a>	Academic Affairs
6 <a href="#">Examination Notices for Part-time Courses</a>	CET Academy

**Campus Event**

Message	By
1 <a href="#">Application for Bursaries &amp; Grants for Full-time Diploma Students</a>	Student & Alumni Services Ofc
2 <a href="#">Application period for Mendaki/PSEA/CPF/TFL (April 2020 Semester)</a>	Finance Office
3 <a href="#">Examination Notices for Full-time Diploma Courses</a>	Academic Affairs
4 <a href="#">Fees due date for AY2019 S2 and AY2020</a>	Finance Office
5 <a href="#">Examination Notices for Full Time Courses</a>	Academic Affairs
6 <a href="#">Examination Notices for Part-time Courses</a>	CET Academy

**Menu**

Search:

- Self Service

**Student Self Service**

**Academic Matters**  
Inquire on your academic progress, as well as matters related to your academic career.

- My Academic Profile
- Absence Summary
- Submit MC/Leave Request
- Exam Results (Current)
- Exam Results (History)
- Statement of Results
- Staff Directory Search
- Module Catalog
- My Advisor
- 7 More...

**Elective Preference Ranking**

- IS Elective Ranking&Balloting
- S&W Activity Pref Ranking
- Generic Ranking/Registration

**Student Development**  
View your CCA records. Sign up for EPs and view list of EPs here also.

- Catalyst
- Sign Up for CCA
- CCA PEARLS
- Club Attendance and Membership
- NAPFA
- Enrichment Programme (EP)

**My Personal Profile**  
Maintain your personal information.

- Addresses
- Phone Numbers
- Email Addresses
- Emergency Contacts
- Demographic Information
- Household Details
- Relationship Details

**Financial Services**  
View your financial account, make payments/claims. Also allows you to make applications for mobile computing loans and GIRO.

- GIRO Receipts
- GIRO Deduction
- View Financial Account
- Fee Voucher
- Internet Transactions
- Scholarships/Bursaries/Grants

**Timetable**

- Class Timetable
- Weekly Timetable
- Individualised Common Test TT
- Master Common Test Timetable
- Exam Timetable
- Individualised Exam TT

**Student Services**  
Select a range of services / documents relating to student status, academic matters and CCA records.

- Service Request

**Internship Management**  
Internship Management

- Submit Post Internship Survey
- Submit Pre Internship Survey



# 4. Connect Mail

The screenshot displays the Ngee Ann Polytechnic website. At the top left is the logo for ngee ann polytechnic. The top navigation bar includes links for Full-Time Courses, Part-Time Courses, Industry, and Contact Us. A secondary navigation bar contains links for About NP, Schools & Courses, Admissions & Enrolment, Student Life, Student Services, Connect, Login, and a search icon. The main content area features a dark background with a grid pattern. On the left, there is a photo of a student using a laptop. To the right, there are two columns of links: 'Full-time Students' (Student Portal, POLITEMail, NPai, Connect Mail) and 'Part-time Students' (Staff, Parents). A vertical social media sidebar on the right includes icons for Facebook, X, LinkedIn, Telegram, and WhatsApp. Below the main content is a large aerial photograph of the campus. At the bottom, a breadcrumb trail shows 'Home > About NP > Contact'. The page title is 'Contact List' with a smiley face icon, and the subtitle is 'General Enquiries & Feedback'. The URL is 'https://www.np.edu.sg/login/full-time-students/connect-mail'. On the right side of the bottom section, there is a 'Contact Us - For Students' heading with an 'AskNP' chat icon and another 'General Enquiries & Feedback' subtitle.



# How Do I Login?

## What is my User ID?

- Derive your User ID from your student number.
- If your student number is 12345678A,  
Your User ID would be **S**12345678 (prefix with “**S**” and drop the check digit at the end of your student number, eg. “A”)

1

## What's my NP Email Address?

- The format of your email address is {User ID}@connect.np.edu.sg
- Example: [S12345678@connect.np.edu.sg](mailto:S12345678@connect.np.edu.sg)

2

## Oops, I forgot my Password

- if you have registered your Personal Email in NPal for password recovery purposes, you may Reset your password [HERE](#).
- **If not**, please email [itcare@connect.np.edu.sg](mailto:itcare@connect.np.edu.sg) for assistance

3



# How to access your NP Email



It is essential that you know how to access your NP email as **important messages are sent to you via NP email.**

## 3 ways to access your email:

- i. Direct web link: <https://outlook.office365.com>
- ii. Microsoft Portal: <https://portal.office.com>  
Here you can access your NP email and other Microsoft apps off the Office365 Cloud
- iii. Install the Microsoft [Outlook or Office apps](#) locally into your computer.  
Go to <https://portal.office.com> and click [INSTALL OFFICE].  
Launch Outlook after installing and login.

Get ready your NP Email address and Password for access.

# How to access your NP Email

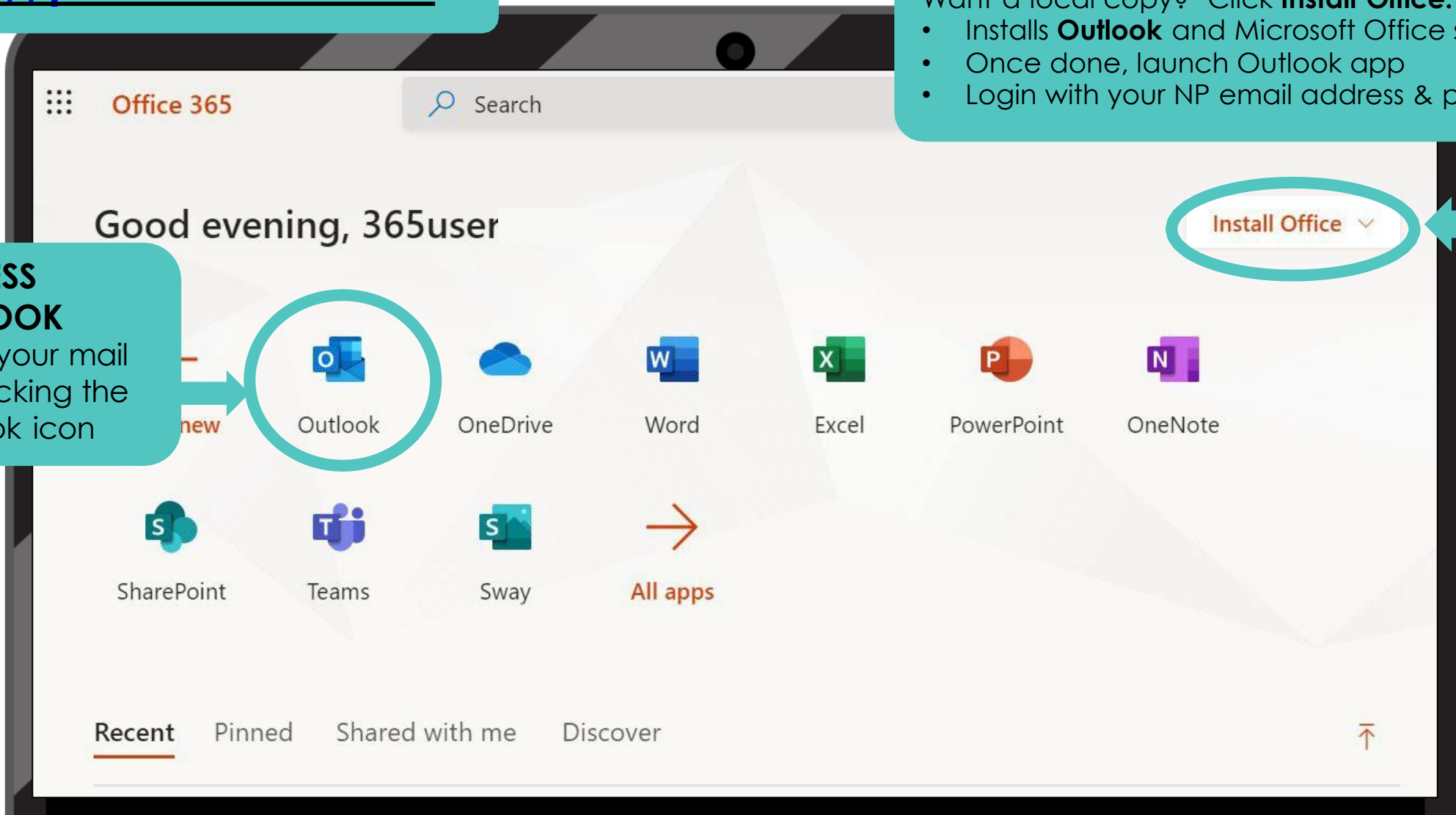
<https://portal.office.com>

Want a local copy? Click **Install Office**:

- Installs **Outlook** and Microsoft Office suite.
- Once done, launch Outlook app
- Login with your NP email address & password.

## ACCESS OUTLOOK

Read your mail  
by clicking the  
Outlook icon



Install Office

Outlook

OneDrive

Word

Excel

PowerPoint

OneNote

SharePoint

Teams

Sway

All apps

Recent

Pinned

Shared with me

Discover



# Logging Connect Mail

Whether you are accessing NP Email directly or from the Outlook app, the login method is the same.

Direct Link to email:

<https://outlook.office365.com>

Outlook app:

<https://portal.office.com> to install.

If you need assistance, email to:

[itcare@connect.np.edu.sg](mailto:itcare@connect.np.edu.sg)

## LOGIN PROMPT

When logging in to email or POLITEMail, you will see the standard login dialog.

Sign in with your full NP email address eg.

[s12345678@connect.np.edu.sg](mailto:s12345678@connect.np.edu.sg)

NGEE ANN  
POLYTECHNIC

Sign in

s12345678@connect.np.edu.sg

Can't access your account?

Sign-in options

Back Next

As an added security measure, please clear your cache after each session. By clicking on the Sign in button, you agree to be bound by the terms specified in the Terms and Conditions. This Service is for Authorized Users Only.

NGEE ANN  
POLYTECHNIC

←

Enter password

Password

Forgot my password?

Sign in

As an added security measure, please clear your cache after each session. By clicking on the Sign in button, you agree to be bound by the terms specified in the Terms and Conditions. This Service is for Authorized Users Only.



# Changing of Password

## Change Password

- [Click this LINK](#)
- Use this link to change your password or passphrase to one of your choice.

4

## Forgotten Password

- [Click this LINK](#) for self-service reset of your NP password.
- Before you can reset password yourself, you need to ensure that you have already registered your personal email in the NPAlStudent system.

5

# 5. mStudent (Mobile Phone)

## mStudent

- Mobile version of NPal Student.  
Scan the QR to install
- Remember to **enable Notification** for the mStudent app so that you don't miss out on important alerts from NP.



3

If you want to change your password to something [you can remember, click this LINK.](#)

# HOW TO READ THE TIMETABLE?





# Typical Timetable

Online Asynchronous Learning (Self-Paced)			
Module	Required hours per week	Lecturer	Class
1 CHEMBIO 65THDYN	3	XIONG JUNYING	L01
2 CHEMBIO 65OBC	3	SINAGA AKASTA	L01

Online Asynchronous Learning (OAL)

In-Person Learning (On-Campus)						
Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00AM		<b>CHEMBIO 65EM1</b> 79-00-0000 LEE MENG HSIEN L02				
9:00AM						
10:00AM	<b>CHEMBIO 65CPP1</b> 72-03-0001 GENG ANLI T03 EVEN weeks	<b>CHEMBIO 65THDYN</b> TBA XIONG JUNYING T01		<b>CHEMBIO 65EM1</b> 71-02-0009 LEE MENG HSIEN P03		
11:00AM		<b>CHEMBIO 65OBC</b> 72-03-0002 SINAGA AKASTA T01				
12:00PM						
1:00PM	<b>CHEMBIO 65OBC</b> 83-07-0002 SINAGA AKASTA P01 ODD weeks					
2:00PM	<b>CHEMBIO 65THDYN</b> 80-04-0005 XIONG JUNYING P01 EVEN weeks  All Sections			<b>CHEMBIO 65EM1</b> 51-04-000C LEE MENG HSIEN L02		

In-person Learning (IPL)

# How to read your Timetable?

**CHSEMBIO 65DAED**  
80-06-0001  
LI CUNBEN  
P01

**CHSEMBIO 65IPC**  
TBA  
NEO TIONG  
CHENG  
L01

Your course **CHSEMBIO**  
**IS** – courses run by **School of Inter-disciplinary studies**

Module code – eg 65DAED stands for Data Analytics & Engineering Design

**LOCATION (IMPORTANT)**  
First 2 digits – Block  
Next 2 digits – Level  
Last 4 digits – Unit no.

Name of lecturer

**L** – Lecture  
(only for 65EM1)  
**T** – Tutorial  
**P** – Practical

# Core Modules for CE1A01

Module ID	Module Name	Module Leader / Lecturer
65DAED	Data Analytics & Engineering Drawing	Mr Neo Tiong Cheng <a href="mailto:NEO_Tiong_Cheng@np.edu.sg">NEO_Tiong_Cheng@np.edu.sg</a>
66IPC	Inorganic & Physical Chemistry	Mr Neo Tiong Cheng <a href="mailto:NEO_Tiong_Cheng@np.edu.sg">NEO_Tiong_Cheng@np.edu.sg</a>
66CBEP	Chemical & Biomolecular Engineering Principles	Ms Corliss Lin <a href="mailto:Corliss_LIN@np.edu.sg">Corliss_LIN@np.edu.sg</a>
66EM1	Engineering Mathematics 1	Dr Geng Anli <a href="mailto:GENG_anli@np.edu.sg">GENG_anli@np.edu.sg</a>
65CPP1	Career and Professional Preparation 1	Respective Advisors

\*Lecture for the first **TWO** weeks will be face-to-face. Please keep a lookout for **announcement** on Brightspace.

#ngeeannpoly

# Core Modules for CE1A02 & CE1A03

Module ID	Module Name	Module Leader / Lecturer
66THDYN	Thermodynamics	Dr Xiong Junying <a href="mailto:XIONG_Junying@np.edu.sg">XIONG_Junying@np.edu.sg</a>
66OBC	Organics & Biological Chemistry	Dr Akasta Sinaga <a href="mailto:Akasta_SINAGA@np.edu.sg">Akasta_SINAGA@np.edu.sg</a>
66EM1	Engineering Mathematics 1	Dr Geng Anli <a href="mailto:GENG_anli@np.edu.sg">GENG_anli@np.edu.sg</a>
66CPP1	Career and Professional Preparation 1	Respective Advisors

\*Lecture for the first **TWO** weeks will be face-to-face. Please keep a lookout for **announcement** on Brightspace.

# ATTENDANCE POLICY



# ATTENDANCE POLICY

Attendance is a key factor in your academic progress. Regular attendance correlates with better results.

- Must meet minimum 70% overall attendance for lectures, tutorials & practicals
- Only valid reasons are accepted for absence from class
- Submit reasons with supporting proofs within two (2) working days
- 1<sup>st</sup> warning given when attendance falls to 80%
- 2<sup>nd</sup> and final warning when attendance falls to 73%
- Grade cap kicks in automatically when attendance rate falls below 70%

# PUNCTUALITY POLICY

**No grace period for attendance-taking in classes**

**Late without valid reasons will be marked “Absent”**

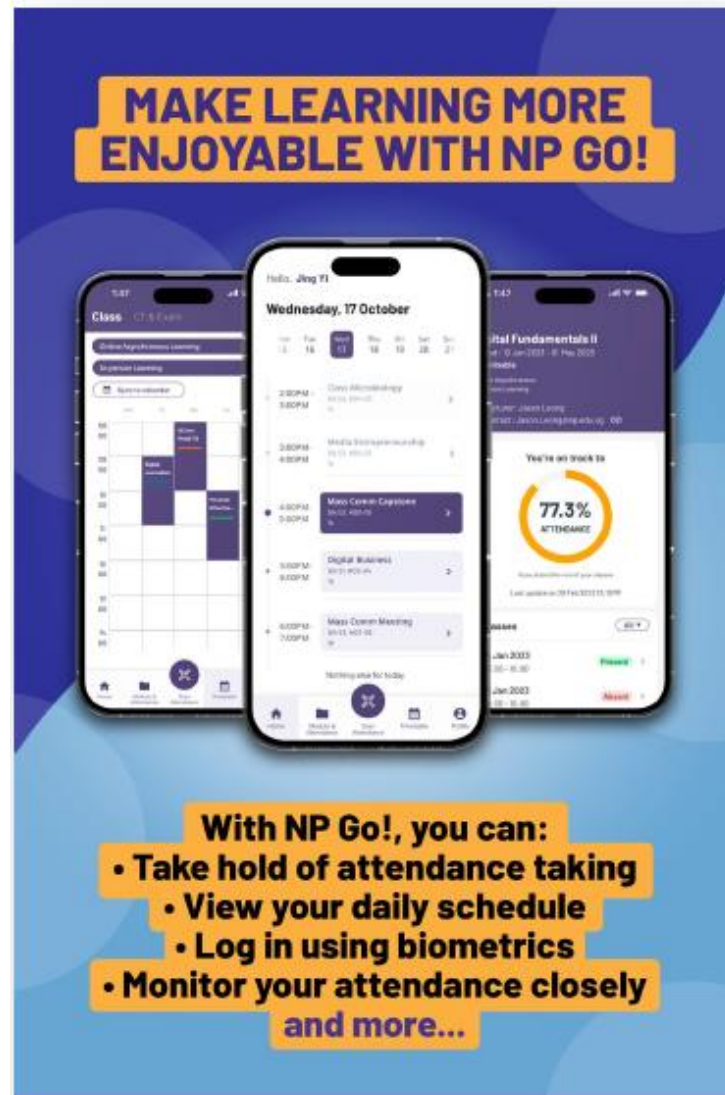
- Being punctual shows **respect for others** and **maximises lesson time for all**.
- **Be self-responsible** in attending classes regularly and punctually.
- **Cultivate good habits** that will serve you well in life.

# GRADE CAP POLICY - 4 THINGS TO KNOW

1	<b>Attendance required</b>	Minimum 70% overall attendance
2	<b>Grade Cap</b>	If you pass the module and do not meet the minimum attendance requirement, your module grade will be <b><u>capped at the passing grade:</u></b> <ul style="list-style-type: none"><li>- “D” grade for examinable and continuous assessment modules</li><li>- “PX” grade for modules graded Pass/ Pass with Merit</li></ul>
3	<b>Reasons for absence</b>	Only valid reasons are accepted. Submit them within two (2) working days.
4	<b>Notifications on low attendance</b>	Maximum 2 warnings will be sent to you and your parents/guardians: <ul style="list-style-type: none"><li>- 1<sup>st</sup> warning when attendance rate falls to 80%</li><li>- 2<sup>nd</sup> and <u>final</u> notification when attendance rate falls to 73%</li><li>- Grade cap kicks in automatically when attendance rate &lt; 70%</li></ul>

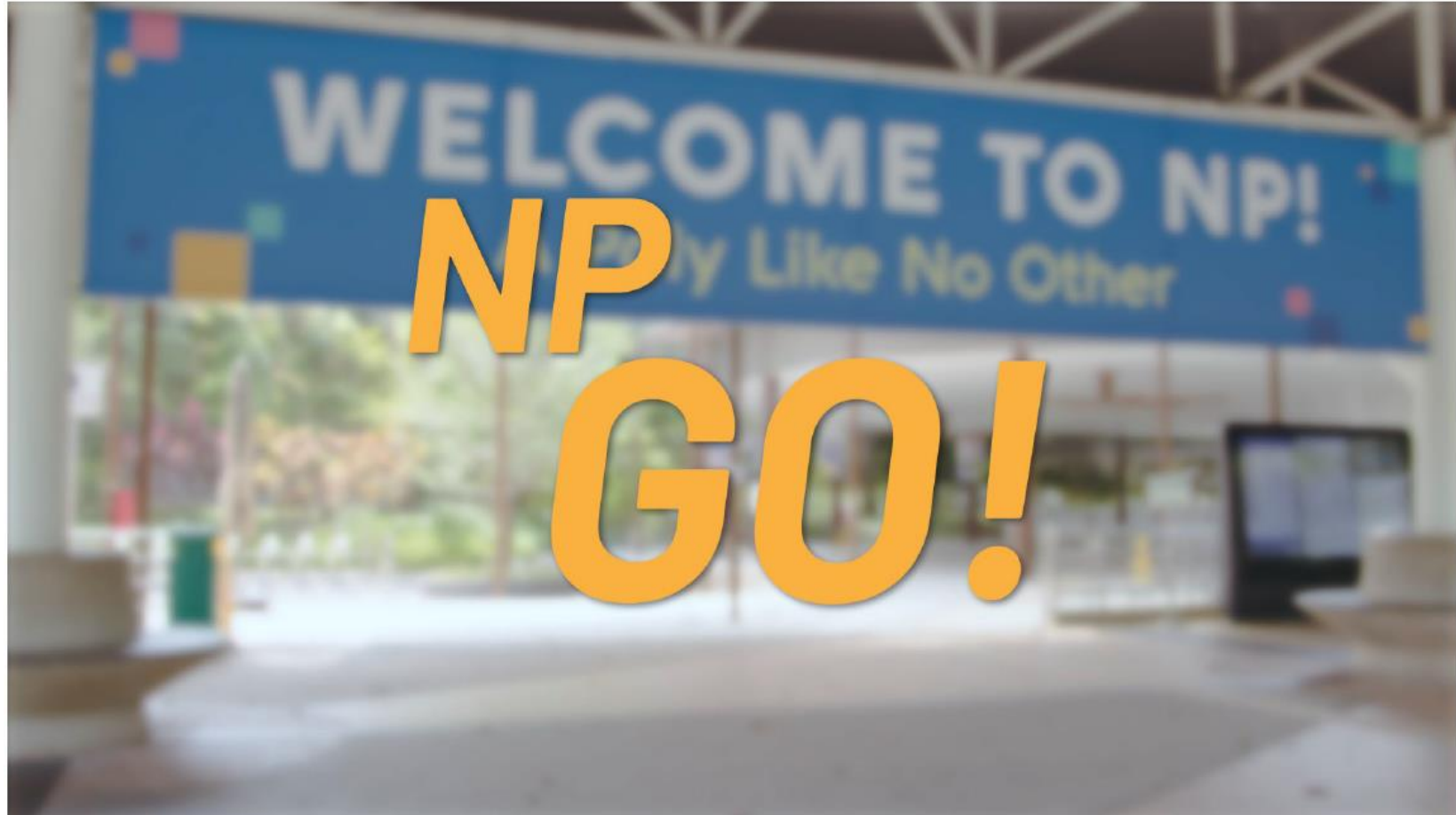


# 6. Np go! (Mobile Phone)



Please download from  
App store / Play store

# NP GO! Instructional Video for Students



If you encounter any issues with NP GO!, contact IT Helpdesk @ Blk 27 #01-01 (Email: [itcare@connect.np.edu.sg](mailto:itcare@connect.np.edu.sg))

# Personalised Learning Pathway (PLP) Programme

Pair Your Diploma with a Minor to Unlock Possibilities



Diploma Certificate

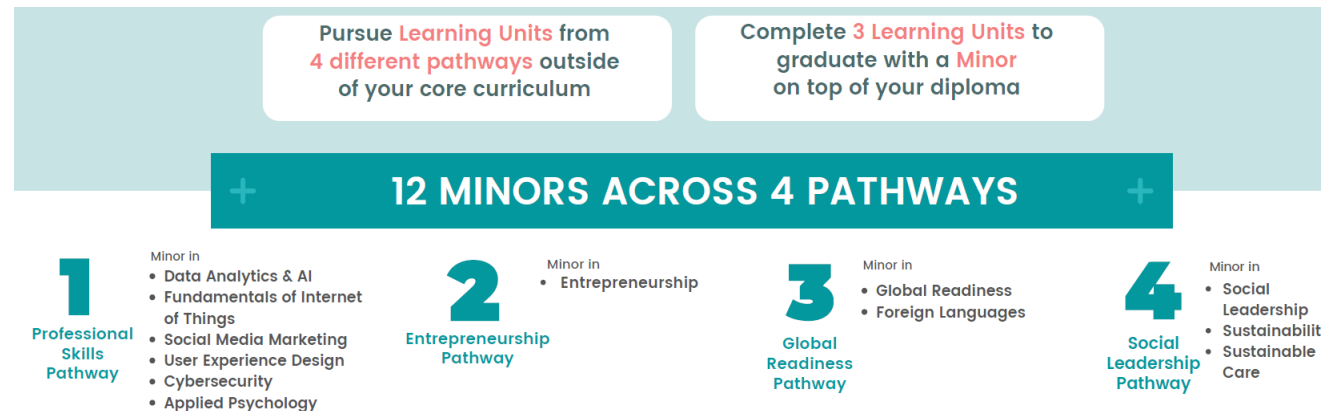


Minor Certificate

## What is PLP?

Define and own your learning! PLP is NP's signature programme to enable you to pursue your passion and gain in-demand skills. From applied psychology to data analytics, entrepreneurship to sustainability, the 11 PLP Minors and over 50 Learning Units (LUs) cut across diverse disciplines to give you a wide variety of choices.

You can pursue a dedicated pathway or mix and match LUs, which are bite-sized lessons. Take LUs in areas that pique your interest. Or complete 3 distinct LUs to get a Minor. The choice is yours.



**Look out for the invitation email in July 2024 to join our PLP Virtual Roadshow.**  
**Find out more about PLP via: <https://www.youtube.com/watch?v=tv5mJLi4FJY>**

# ASSESSMENT

- Some modules are examinable
  - Final Examination 40 %
  - Continuous Assessment 60 %
  - Common Test
  - Quizzes
  - Project
  - Practical reports/test
  
- Some modules are non-examinable (CA modules)
  - No exams!
  - Continuous Assessment 100%

# Some facts about GPA

- GPA = Grade Point Average
- Maximum GPA is 4.0
- GPA is calculated based on the **graded modules** taken in that semester.
- **All the modules** right from year 1 are counted in the computation of Cumulative GPA.

# Example on GPA Calculation

Module	Credit Unit	Grade	Grade Point	(Credit Unit x Grade Point)
Module A	4	AD	4.0	16
Module B	5	A	4.0	20
Module C	5	B	3.0	15
Module D	4	C+	2.5	10
Module E	2	F	0.0	0
Module F	3	PX	-	-
Total credit units enrolled	23	Total		61
Less credit units of non-graded module (Module F)	3			
Total credit units earned for the semester	20			

# CBE Curriculum – What are credit units?

YEAR/ LEVEL	MODULE	HOURS PER WEEK			Credit Units = TOTAL HOURS
		LECT	TUT	PRAC	
1.2	<b>CORE DISCIPLINE MODULES</b>				
	Organic & Biological Chemistry	1	0	3	4
	Thermodynamics	2	2	1	5
	Engineering Mathematics 1	2	0	4	6

# Grading System

<u>Marks obtained</u>	<u>Grade</u>	<u>Grade Point</u>
Top 5%	AD	4.0
85 and above	A+	4.0
80-84	A	4.0
75-79	B+	3.5
70-74	B	3.0
65-69	C+	2.5
60-64	C	2.0
55-59	D+	1.5
50-54	D	1.0
Below 50	F	0



# Example on GPA Calculation

Module	Credit Unit	Grade	Grade Point	(Credit Unit x Grade Point)
Module A	4	AD	4.0	16
Module B	5	A	4.0	20
Module C	5	B	3.0	15
Module D	4	C+	2.5	10
Module E	2	F	0.0	0
Module F	3	PX	-	-
Total credit units enrolled	23	Total		61
Less credit units of non-graded module (Module F)	3			
Total credit units earned for the semester	20			

$$\begin{aligned}
 \text{Current GPA} &= \frac{\text{Sum of (Credit Units X Grade Points)}}{\text{Total current semester credit units (graded modules)}} \\
 &= \frac{16 + 20 + 15 + 10 + 0}{4 + 5 + 5 + 4 + 2} = 3.05
 \end{aligned}$$

# <https://www.np.edu.sg/student-life/freshmen-experience/lsc-orientation> -

new ones.

- Collection of lab coats and goggles will be facilitated during the upcoming orientation programme for your convenience.
- Should you have any questions or require further assistance regarding lab coats and safety goggles, please do not hesitate to reach out to Dr. Eddie Ong ([Eddie\\_ONG@np.edu.sg](mailto:Eddie_ONG@np.edu.sg))

## Bridging Courses for new students (Optional)

- We have prepared bridging courses on basic biology and chemistry to provide some foundation for students who have not studied these subjects.
  - Date: Friday 12 April 2024
  - Time: 9 am – 11 am (Biology) & 1 pm – 3 pm (Chemistry)
  - Venue: Lecture Theatre 51 H
- Kindly **register** by April 8, 2024, if you wish to participate in the bridging courses.
- For any queries on the bridging courses, please contact Dr Toh Soo Ting ([TOH\\_Soo\\_Ting@np.edu.sg](mailto:TOH_Soo_Ting@np.edu.sg))

# Students' Experience Survey



- <https://for.edu.sg/lscfop24>

<https://for.edu.sg/lscfop24>

# 2024 Intake CBE Level 1 WhatsApp Chatgroup

