

Conceptualizing and Driving a Writing-in-the-Disciplines Initiative to Enhance Undergraduates' Writing Competence at a University in Singapore

3rd August, 2021

Chair: Radhika Jaidev

Presenters: Radhika Jaidev, Brad Franklin Blackstone, Lee Chien Ching, Lee Hwee Hoon, Padma Rao, Kenneth

Ong Keng Wee







Assistant Professor Radhika Jaidev Director Centre for Communication Skills



Structure of the Presentation



1. Radhika Jaidev

conceptualizing and driving a 4-pronged approach to enhancing undergraduates' writing competence at our university.

2. Brad Blackstone

> Designing a stand-alone module using Backward Curriculum Design

3. Kenneth Ong

> Designing & delivering an embedded writing instruction for an academic context

4. Lee Hwee Hoon

Designing and delivering an embedded writing instruction for a professional context

5. Lee Chien Ching

> Developing e-micromodules to help students with their writing

6. Padma Rao

Providing peer tutoring and writing consultation through the Communication Helpdesk

Introduction

Currently the Centre for Communication Skills offers writing instruction in 4 ways

- 1. 'Stand-alone' modules in technical writing & presentation skills and career & professional development skills in several programmes
- Embedded instruction within content modules based on ad hoc requests from content faculty through our Communicating Across the Curriculum (CAC)
- 3. Peer Tutoring and consultation with faculty on writing assignments through our 'Communication Helpdesk' to students who seek help
- 4. E-micromodules that offer writing instruction to students at all times

Changes going forward



With endorsement from senior management, we will

- 1. offer a new 4 credit, 48 hour, 12-week module which emphasizes **critical thinking** in **writing** and speaking will be delivered to SIT undergraduates in **all undergraduate programmes** beginning in the new academic year of 2021-22.
- embed writing instruction and consultation through our Communicating Across the Curriculum (CAC) programme in at least one content module per academic year in every undergraduate programme
- 3. assign **weighting** and **assess** the **writing** of **content assignments** using a set of **writing rubrics agreed upon and designed** by both the **content faculty** and the **CCS faculty**. The writing in those content modules will account for **3 credits** in **every academic year** beginning from Yr2 of a student's undergraduate education at SIT.

Discipline-specific literacies & values in the stand-alone module



In the design and delivery of the critical thinking and communicating module, CCS faculty work closely with content faculty to

- 1. discuss what students would be required to write in their programmes and in their professions
- 2. typical problem-solution contexts within their programmes so that these may be incorporated within the communication teaching materials.

This is to ensure that students are able to see the immediate relevance and applicability of the writing knowledge and skills acquired to their programmes and professions.

Discipline-specific literacies & values in CAC



CAC has 2 sub-categories

- 1. Academic (to help students cope with writing & presentation demands in their university studies)
 - i. Writing in the Disciplines (WID)
 - ii. Presentation Skills

- 2. Professional (to help students cope with their communication demands during their work attachments and beyond)
 - i. Instruction on emails, meeting minutes, interpersonal communication at the workplace etc.
 - ii. Instruction in professional communication in specialized work contexts





SHEETSI

Mr Brad Blackstone, Senior Lecturer





Understanding by Design.... (UbD)

"...is not a philosophy of teaching, it's not an approach to teaching, it's a planning framework."

"...what you're trying to do is make it more likely by design that when you teach, you're more goal-focused, more effective."

Wiggins, G. (2013, March 1), Understanding by design, Part 1. Youtube. https://youtu.be/4isSHf3SBuQ

Why Backwards Design?



Using backward design ... "underscores the value of this process for yielding more clearly defined goals, more appropriate assessments, more tightly aligned lessons, and more purposeful teaching."

McTighe, J. (n.d.). Lasting lessons for teachers from Grant Wiggins. *TeachThought*. https://www.teachthought.com/pedagogy/3-lasting-lessons-for-teachers-from-grant-wiggins/

Backward Design



1. Identify **Desired** Results. Big Ideas 2. Determine and Skills acceptable evidence. Culminating Assessment 3. Plan learning Task experiences and instruction. Learning **Events**

The Role of Objectives in Backwards Design

Educational objectives
become the criteria by which
materials are selected,
content is outlined,
instructional procedures are developed,
and test and examinations are prepared...

Ralph Tyler, 1949, as cited in Wiggins & McTighe, 1998, *Understanding by Design*

Critical Thinking & Communicating: Robotics (UCS1001)

... is a 4-credit, 12-week, 48-hour module

... aims to equip 1st year robotics engineering students with critical thinking skills, foundational knowledge & skills in writing and presenting.

... requires 1) a summary-reader response, 2) both a descriptive and critical reflection, and a research project culminating in 3) a teambased design proposal and 4) a team-based oral presentation.





How to ensure that the instructional design might best serve robotics engineering students in a critical thinking and communicating module?

The Module Development Process



Start, on the macro level, by....

- Leveraging field experience developing and teaching similar modules for similar programmes
- Surveying the 'literature' (English for specific purposes, reading to writing, process writing, problem- and task-based learning, etc.)
- Considering university standards and expectations, academic cluster goals, requirements for transferrable skills and learning outcomes, employer feedback/student work challenges
- Communicating with the Robotics programme lead



Considering university standards and expectations, academic cluster goals, requirements....

Specific comm skills focus for 3rd year engineering students' in their required work internship program:

Students must be able to...

demonstrate effective oral and written communication skills.

develop proposals and write professional reports for engineering projects that contribute to an improvement to existing products/processes/methods.



How about relative to the desired writing results?

Where do I begin?

Learning Objectives for



Critical Thinking and Communicating (1)

- 1. <u>Understand the rhetorical constructs of a technical/academic communication</u> <u>context</u> for writing assignments and delivering presentations at university;
- 2. <u>Apply critical thinking to reading content-specific texts</u>, <u>select key points</u> and <u>summarize salient information</u> and <u>use it to support your claims</u> when you write or present;
- 3. <u>Apply critical thinking to combine & synthesize information from multiple sources</u> to support your claims in your writing and presentation assignments;
- 4. <u>Demonstrate good knowledge</u> of sentence structure, paragraphing, text flow when writing;

Learning Objectives for



Critical Thinking and Communicating (2)

- 1. <u>Apply ethical principles of direct quoting, summarizing, paraphrasing and accurate referencing using citation conventions</u> to avoid plagiarizing;
- 2. <u>Apply critical thinking to produce a report/ proposal for a specified audience</u> (individually and within a team);
- 3. Apply critical thinking to deliver an oral or poster presentation to a specified audience (individually and within a team);
- 4. Engage specified audience through the chosen mode of technical writing and/or speaking: expository, informative, persuasive, etc.

In terms of communicating with the Robotics programme lead

- Content focus on Mars rovers & tele-operation functionality/sub-systems (" detailed study of one device of the Mars Rovers")
- Research strategies/use of databases
- Citation management
- Skills for writing a literature review and design proposal

"I intend to have separate 'communication/critical thinking' assessment components in the first few project modules as a direct application of your module."

Dr. Liew Pak San, Robotics Programme Lead

The Module Development Process

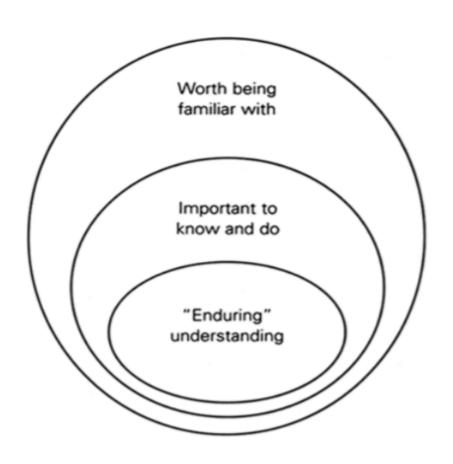


Continue, on the micro level, by...

- Establishing curriculum priorities (Wiggins & McTighe, 2005)
- Writing high stakes assignments/ tasks
- Writing assessment rubrics and feedback forms
- Surveying and selecting module readings
- Developing instructional units: overviews, key concepts, learning outcomes, procedures, explanations, tasks and learning activities
- Setting up a Google Docs folder for archiving/sharing materials

Establishing Curriculum Priorities (1)





Worth being familiar with:

Citation conventions

The Pyramid Principle

Design thinking

Robotics concepts

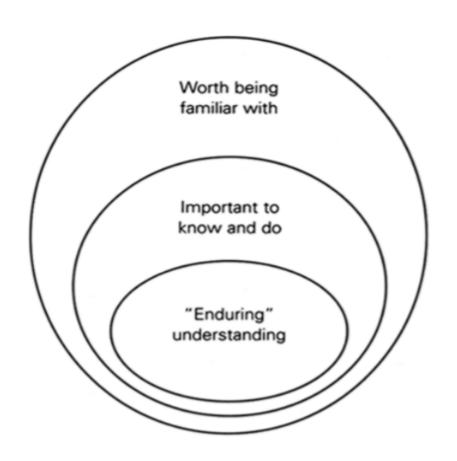
The Paul-Elder Framework (P-E): The

intellectual traits of a critical thinker

Wiggins, G. P., & McTighe, J. (2005). *Understanding by design*. Association for Supervision & Curriculum Development.

Establishing Curriculum Priorities (2)



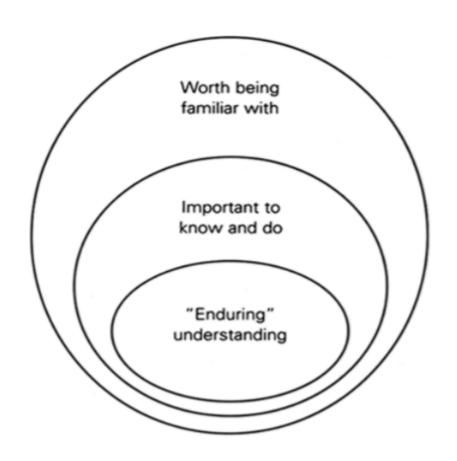


Important to know and do:

How to read critically How to paraphrase and cite the source; How to effectively summarize discipline-specific articles/material; How to write a reader response with a persuasive thesis and support that thesis with credible evidence; How to initiate a research project with a focused research question and a precise problem statement How to report that research and make a pitch for a design modification or innovation, orally and in writing

Establishing Curriculum Priorities (3)

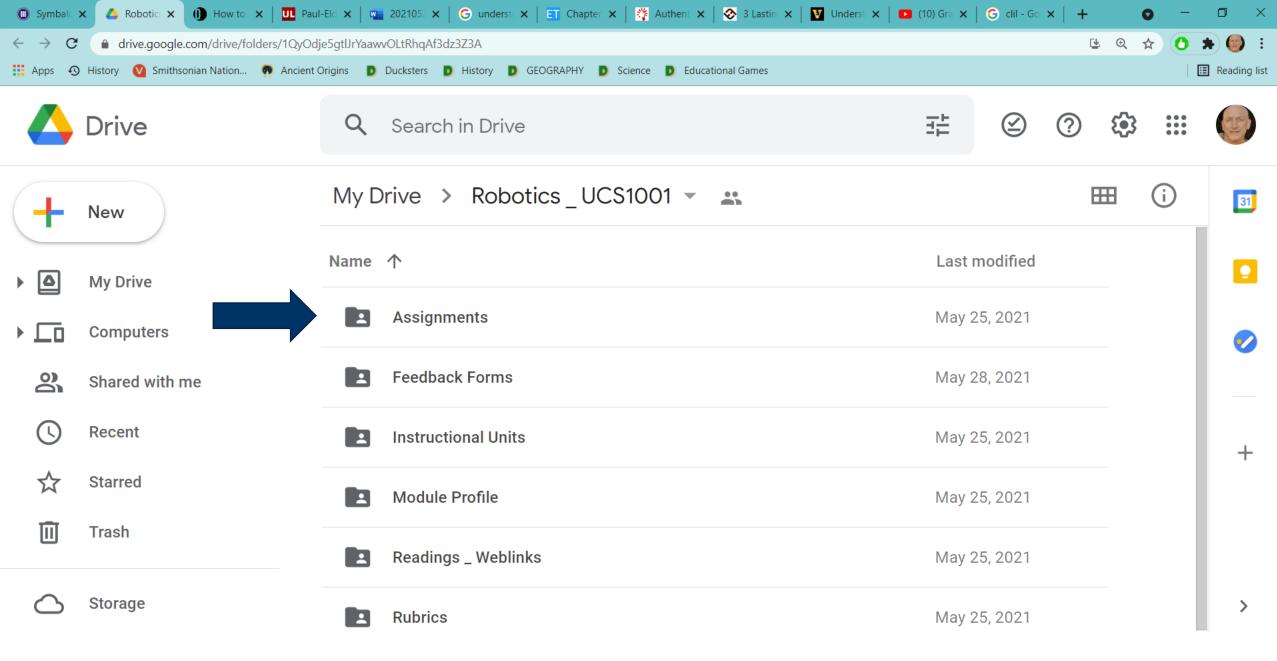


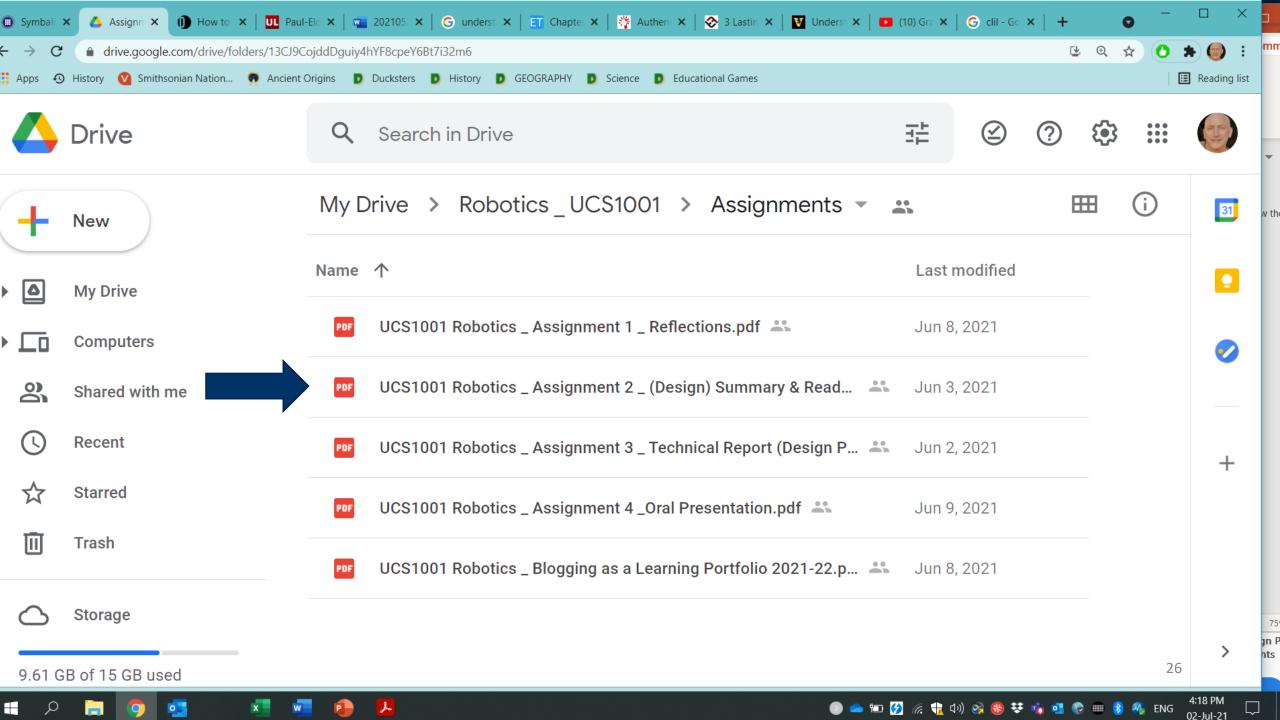


Important to have an 'enduring' understanding of:

The value of *intellectual standards* --- accuracy, precision, clarity, completeness, logic, relevance, and significance, as well as breadth, depth, and fairness --- in writing and speaking. (P-E Framework)

The place of the *elements of thought* --purpose, questions at hand, concepts,
points of view, data/info, assumptions,
implications, inferences/conclusions --- in
reading, research and writing.
(P-E Framework)





Reading materials for students



- My Drive > Robotics _ UCS1001 > Readings
- Name ↑
 - Academic Articles
 - Critical Thinking
 - Design Thinking

- For Design Summary & Analysis (Reader Response)

Readings for the summary-reader response assignment



My D	Prive > Robotics > Readings	> For Desi
Name	\downarrow	Owner
W	The Science and Engineering of Mars Exploration	me
PDF	Design Summary links _ NASA Perseverance Tech	me
PDF	Design Summary links _ European Space Agency	me
PDF	Design Summary links _ CNSA Tianwen 1.pdf 🚢	me
_		



Possible design summary readings

Design Summary & Analysis (Reader Response):

Weblinks for articles and webpages NASA Perseverance Technology and Flight

NASA Mars Spacecraft:

https://mars.nasa.gov/mars2020/spacecraft/overview/

NASA Mars Perseverance Rover:

https://mars.nasa.gov/mars2020/spacecraft/rover/

NASA Mars Perseverance Instruments:

https://mars.nasa.gov/mars2020/spacecraft/instruments/

Where is Perseverance?

https://mars.nasa.gov/mars2020/mission/where-is-the-rover/

NASA Mars Rover Perseverance_Key Questions:

https://www.bbc.com/news/science-environment-53129281

NASA Mars Mission Technology:

https://mars.nasa.gov/mars2020/mission/technology/

NASA Perseverance Robotic Arm Starts Conducting Science:

https://mars.nasa.gov/news/8944/perseverances-robotic-arm-starts-conducting-science/

NASA Mars Helicopter Ingenuity: https://www.space.com/ingenuity-mars-helicopter-perseverance-rover

NASA Mars Helicopter Ingenuity > Features:

https://www.space.com/ingenuity-mars-helicopter-perseverance-rover#section-mars-

helicopter-ingenuity-technology-and-features

NASA Successfully Flies Small Helicopter on Mars:

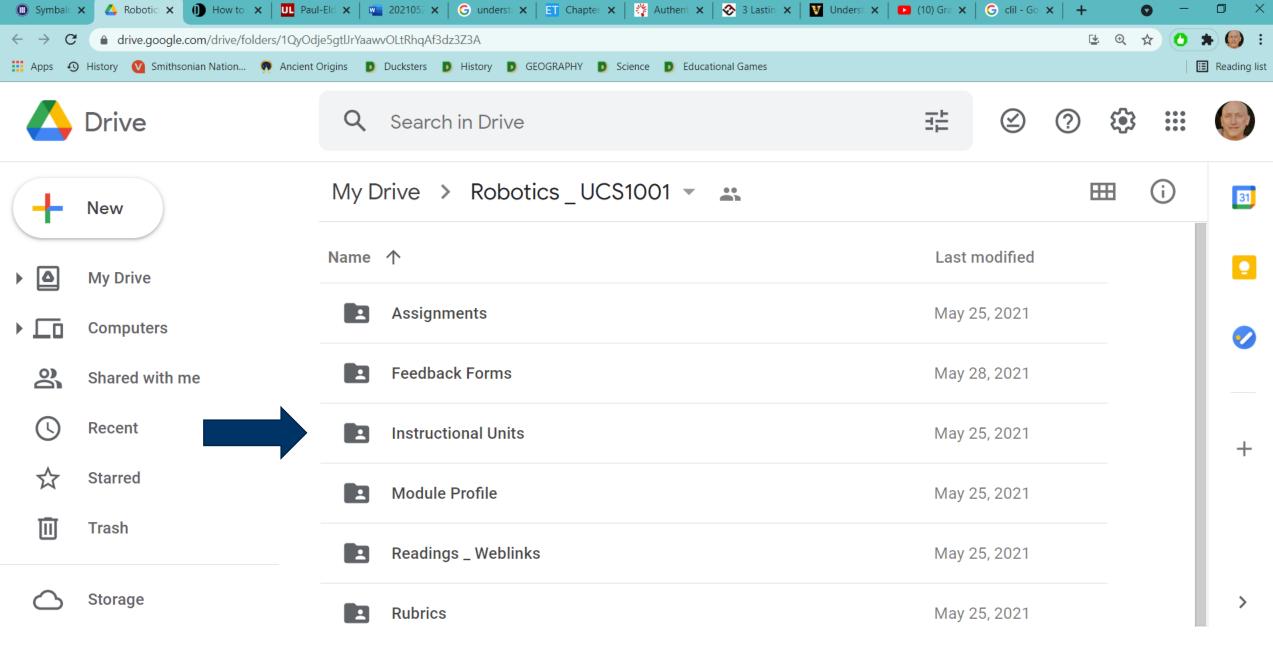
https://www.bbc.com/news/science-environment-56799755

NASA Rocket Launch Vehicle:

https://mars.nasa.gov/mars2020/spacecraft/launch-vehicle/

Mars Exploration Rover Mobility

https://www-robotics.ipl.nasa.gov/publications/Mark Maimone/MobIDDPerf90sols.pdf





Instructional Units

Name	Date modified	Туре	Size
junk	25-Jun-21 3:06 PM	File folder	
■ TCE	05-Jul-21 4:10 PM	File folder	
🗟 01_Introducing Critical Thinking & Communicating _ 2021-22.pdf	23-Jun-21 2:27 PM	Adobe Acrobat D	297 KB
🗟 02_Revisiting Language Use & Writing Professional Emails _ 2021-22.pdf	15-Jun-21 3:12 PM	Adobe Acrobat D	329 KB
🗟 03_Introducing Reflective Learning & Writing _ 2021-22.pdf	16-Jun-21 5:35 PM	Adobe Acrobat D	505 KB
04_Paraphrasing, Summarizing, Citing Sources & Avoiding Plagiarism _ 2021-2	18-Jun-21 1:54 PM	Adobe Acrobat D	313 KB
🗟 05_Introducing the (Design) Summary & Reader Response (Analysis) 2021-22	18-Jun-21 5:08 PM	Adobe Acrobat D	326 KB
🗟 06 _ Conducting Peer Reviews for Writing & Revising One's Own Work 2021-2	21-Jun-21 10:50 AM	Adobe Acrobat D	309 KB
🗟 07_ Scaling the Pyramid Principle, Critical Thinking & Focus Statements_ 2021	25-Jun-21 10:55 AM	Adobe Acrobat D	384 KB
🗟 08_ Introducing Technical Writing (ITW) _ Project Assignment, Formulation and	05-Jul-21 9:12 AM	Adobe Acrobat D	256 KB
🗟 09_Introducing Technical Writing (ITW) _ Crafting the Design Proposal (II) _ 20	06-Jul-21 3:24 PM	Adobe Acrobat D	1,201 KB
01_Introducing Critical Thinking & Communicating _ 2021-22.docx	23-Jun-21 2:26 PM	Microsoft Word D	125 KB
02_Revisiting Language Use & Writing Professional Emails _ 2021-22.docx	15-Jun-21 3:12 PM	Microsoft Word D	162 KB
03_Introducing Reflective Learning & Writing _ 2021-22.docx	16-Jun-21 5:34 PM	Microsoft Word D	2,565 KB
04_Paraphrasing, Summarizing, Citing Sources & Avoiding Plagiarism _ 2021-2	18-Jun-21 1:55 PM	Microsoft Word D	109 KB
05_Introducing the (Design) Summary & Reader Response (Analysis) 2021-22	18-Jun-21 5:08 PM	Microsoft Word D	609 KB
06 _ Conducting Peer Reviews for Writing & Revising One's Own Work 2021-2	21-Jun-21 10:51 AM	Microsoft Word D	83 KB
07_ Scaling the Pyramid Principle, Critical Thinking & Focus Statements_ 2021	25-Jun-21 10:55 AM	Microsoft Word D	99 KB
08_ Introducing Technical Writing (ITW) _ Project Assignment, Formulation and	05-Jul-21 9:12 AM	Microsoft Word D	1,421 KB
09_Introducing Technical Writing (ITW) _ Crafting the Design Proposal (II) _ 20	06-Jul-21 3:22 PM	Microsoft Word D	4,721 KB
10_Preparing and Delivering Effective Presentations _ 2021-22.docx	07-Jul-21 11:48 AM	Microsoft Word D	129 KB
11. Introducing Technical Writing (ITW)_ Reviewing the Proposal III_ 2021-22.d	06-Jul-21 4:31 PM	Microsoft Word D	84 KB







































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Guide (Columbia)







UL

Thinking















Tech Writing



















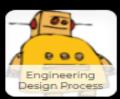














Design Thinking



Thinking



















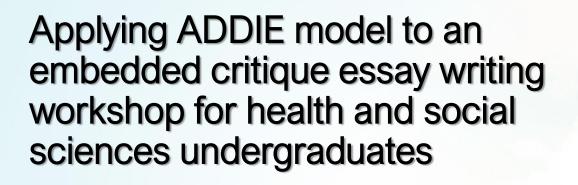


Understanding by Design: Sky's the Limit









SHEEN

Assistant Professor Kenneth Ong





Content

Background/Objectives

Methodology

Findings

Recommendations



Background



- HSC1006 Heath Systems Singapore's Perspectives
- Singapore's health system is described and analyzed within the WHO's framework
- "Students learn to appreciate how policies are developed, health needs identified and met, intersectoral collaborations needed and established, and services organized and evaluated."
- Physiotherapy, Nursing, Occupational Therapy, Diagnostic Radiography,
 Radiation Therapy, Dietetics and Nutrition, Speech and Language Therapy
- Centre for Communication Skills offers embedded instruction/workshops for content modules of degree programmes – this initiative is called Communicating Across Curriculum

Background/Objective



- Module lead requested for embedded workshop to prepare students on how to write the critique essay
- 2-hour workshop was conducted on 16 & 17 Sep 2020 for 600 students divided into 16 seminar groups
- Essay assignment (individual-based; 2000-word limit)
- Essay Q: Discuss Singapore's health system from the perspective of stewardship, resource generation, financing and services in meeting the demands of a pandemic, such as COVID-19.
- Essay assignment brief and evaluation rubric were emailed
- Objective of the embedded workshop is to write a sound and defensible academic essay

A, A+	A-, B+	B, B-	C+, C	D, E	F
CONTENT KNOWLEDGE AND U	NDERSTANDING				
	NDERSTANDING A very good essay with clearly defined aims, critically analytical discussions of issues arising from the chosen topic, and implications for practice. A range of perspectives are explored, resulting in fairly balanced arguments being presented. The essay is analytical, displaying	A good essay with defined aims, critically analytical discussions of issues arising from the chosen topic, and some implications for practice. Logical arguments are presented with reference to pertinent perspectives to the topic at hand. The essay shows knowledge and understanding of the relevant issues, an ability to apply this to practice,	An average essay that includes stated aims, discussions of issues arising from the chosen topic, and some implications for practice. There are signs of critical analysis, attempts at construction of logical arguments, although largely descriptive in nature. The essay shows perfunctory understanding of the relevant issues, lacks application of theory to practice, and occasionally appears confusing. There is some evidence of critical reading of	An acceptable essay with stated aims, mostly appropriate discussions of issues arising from the chosen topic, and limited implications for practice. There is limited evidence of critical analysis and logical arguments, with most parts of the essay being descriptive. The essay shows limited understanding of the relevant issues, lacks application of theory to practice, and often appears confusing. There is limited evidence of critical reading of the relevant literature.	A poor essay with incoherent aims, superficial discussions o issues arising from the chosen topic, and almost without implications for practice. The essay is descriptive, with very limited traces of critical analysis or discussion. The essay shows poor understanding of the relevant issues, lacks application of theory to practice, and is incoherent or confusing. There is no evidence of critical reading of the relevant literature.
wide and critical reading, and independent thinking. LAYOUT, STRUCTURE AND COM	thinking. /MUNICATION		the relevant literature.		
An exceptionally well structured and effectively constructed essay. There are clear and appropriate headings and sub-headings. The introduction, body and conclusion are coherent and cogently presented. The citation and referencing styles are correct and consistent. The language and grammar reflects an excellent piece of academic writing.	A very well structured and effectively constructed essay. There are clear and appropriate headings and sub-headings. The introduction, body and conclusion are coherent and largely well argued. The citation and referencing styles are mostly correct and consistent. The language and grammar reflects a very good piece of academic writing.	A well-structured and communicated essay. Headings and sub-headings are largely effective. The introduction, body and conclusion are largely coherent and well argued. The citation and referencing styles are mostly correct and consistent. The language and grammar reflects a good piece of academic writing.	A fairly well structured essay. Headings and sub-headings can be clearer. The introduction, body and conclusion can be better linked and argued. There are some glaring inconsistencies in citation and referencing styles. The language and grammar reflects average attempt at academic writing.	The essay can be better organized. Headings and subheadings can be better used to signpost the essay. The introduction, body and conclusion are not linked. There are glaring inconsistencies in citation and referencing styles. The language and grammar reflects deserved attempt at academic writing.	A poorly structured essay. Headings and sub-headings are lacking. The introduction, body and conclusion are incoherent. The citation and referencing styles are incorrect and inconsistent. The language and grammar reflects poor academic writing.
USE OF REFERENCES					
The essay makes excellent use of relevant academic references with limited nonpeer-reviewed materials.	The essay makes very good use of relevant academic references with limited non peer-reviewed materials.	The essay includes relevant academic references, but also nonpeer-reviewed materials	The essay has some academic references and non-peer-reviewed materials.	The essay has some academic references and fairly large amount of nonpeer-reviewed materials.	The essay relies on limited academic references but substantial amount of nonpeer-reviewed materials.

Principles guiding the design of the intervention



- Academic writing is based on critical-analytical reading. Therefore, students must be guided through the detailed reading of texts, and their attention must be drawn to argumentation as well as discourse features (Rose et al., 2008)
- Academic writing is a process and a product of critical thinking. Therefore, students must be given opportunities for developing critical thinking, for instance through the discussion of open-ended questions or problemsolving (Bean, 2001)
- The importance of making discourse and epistemological features explicit to students have been emphasized by genre and Academic Literacies researchers (Lea and Street, 2006; Martin, 1999). In the embedded approach, these features need to be highlighted in the classroom and in texts related to the session's topic.

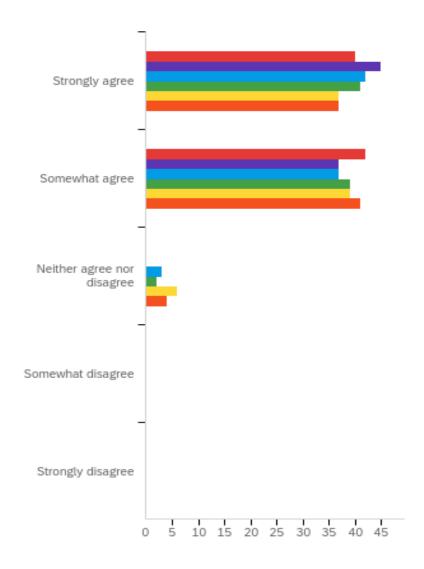
Methodology – ADDIE Model



- ADDIE is suitable for structuring embedded instruction
- Analysis phase: Health & Social Sciences core module on Singapore's Health System;
 Freshmen with no prior formal instruction on academic writing at the university level;
 Workshop conducted via Zoom; timeline of 3 months
- Design phase: Essay assignment objective: assesses students' competence to construct an academic paper (appropriate to undergraduate level) and the transferable critical analytical skills in selecting, interpreting, and applying academic sources (e.g. journal articles, academic books). I found two journal articles on frameworks for assessing the performance of health systems useful
- Development phase: Seminar slides and handout were developed; feedback on the curriculum was solicited from the module lead; no pilot test was conducted
- Implementation phase: Briefing for teaching team
- Evaluation phase: Kirkpatrick's Model Levels 1 (Reaction) and 2 (Learning)

Quantitative Findings





- The course has helped me to understand the requirements of my assignment.
- The workshop materials have covered the learning points I need to do my ass...
- The tutor has helped me to clarify my doubts and answer any questions I hav...
- Overall, the workshop has been effective in helping me prepare to do the as...
- The workshop activities have been useful in helping me improve on my writin...
- The workshop has helped me to present my ideas coherently to an academic au...

Qualitative Findings



- "Thank you for having us for the workshop!:) It allows us to understand what to expect and take note when writing our essay.
- Everything's good :)
- She was engaging and gave many examples to aid us in our learning.
- Better than expected. Interactive and engaging.
- Prof Wang is really patient and I love her teaching. She made sure all her students understand the content and confirmed it with questions. She enable me to have a deeper understanding about academic writing.
- The prof was very nice and patient.
- Wish this session was recorded on zoom so that we can refer back to it in future. Thks
- I feel that the workshop should be extended to at least 3 hours as we couldn't cover everything within the 2 hour span. Alternatively, it could be a 2 session worlshop so that questions can be addressed in the 2nd session while the 1st session will comprise of covering the requirements of the assignment and the workshop tasks. But I'm thankful to Prof for trying her best to address the many queries from my coursemates within such a tight timeframe! :)

Findings



- Feedback from module lead was that there is improvement in students' essays compared to the previous batch
- Request for the same workshop to be conducted on 16 and 17 Sep 2021

Recommendations



- Acquiring academic literacy is a gradual process that needs developmental feedback (Bharuthram and McKenna, 2006). Therefore, there must be a progression of short informal writing tasks to formally graded assignments, accompanied by formative feedback comments and 'dialogues around texts' (Lillis, 2006, 2001)
- Students were encouraged to book appointments with peer tutors at the Communication Helpdesk to review their essay drafts
- We will be launching a Critical Thinking and Communicating module for freshmen of all health and social sciences degree programmes
- Use of pretest and posttest critical reading and writing test

References



- Bean J (2001) Engaging Ideas. San Francisco, CA: Jossey-Bass.
- Bharuthram S and McKenna S (2006) A writer-respondent intervention as a means of developing academic literacy. *Teaching in Higher Education* 11(4): 495–507.
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- Lillis T (2006) Moving towards an 'academic literacies' pedagogy: Dialogues of participation. In: Ganobcsik- Williams L (ed.) *Teaching Academic Writing in UK Higher Education*. Basingstoke: Palgrave Macmillan, pp. 30–45.
- Martin JR (1999) Mentoring semogenesis: 'Genre-based' literacy pedagogy. In: Christie F (ed.) Pedagogy and the Shaping of Consciousness: Linguistic and Social Processes. London: Cassell, pp. 123–55.
- Rose D, Rose M, Farrington S and Page S (2008) Scaffolding academic literacy with indigenous health sciences students: An evaluative study. *Journal of English for Academic Purposes* 7(3): 165–79.



CAC for Mechatronics Systems

Systems Engineering Project Integrated Work Study Programme (IWSP)

Assistant Professor Lee Hwee Hoon

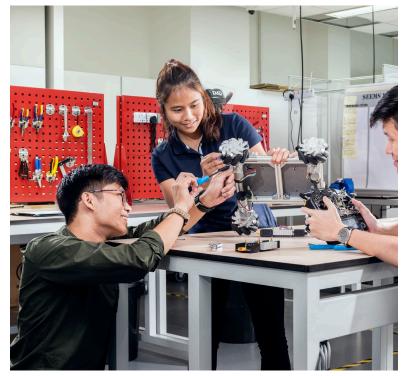


SYSTEMS ENGINEERING PROJECT



- This is the first in a series of projects in which students work in teams to research, design, implement and test a functional system that interacts with other systems and meets specified requirements.
- Students must document their processes and give presentations on their progress.

https://www.singaporetech.edu.sg/modules/2569



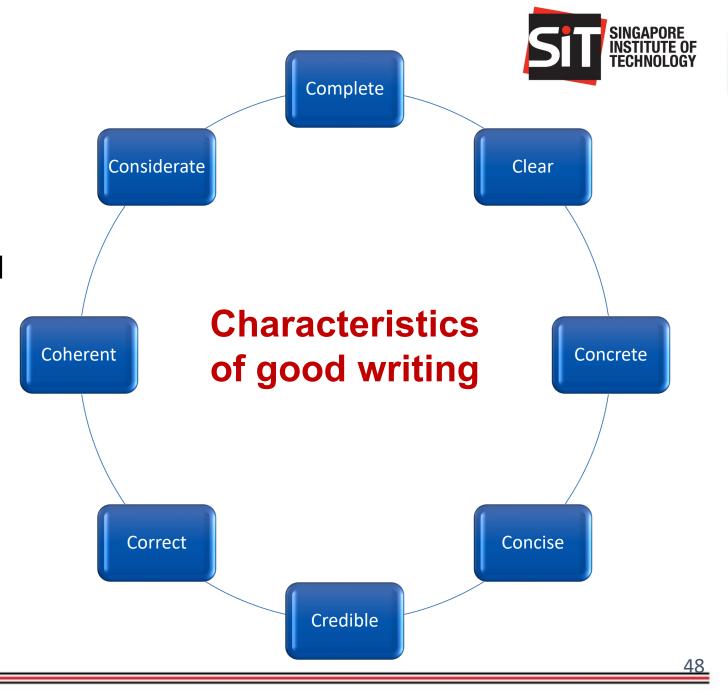
https://www.singaporetech.edu.sg/undergraduate-programmes/engineering/mechatronics-systems

Lesson outcomes

- Recognise language features appropriate to meeting minutes
- Write meeting minutes using appropriate language, style and tone

The writing context

- Purpose for writing
- Writer & Audience
- Channel
- Message





Language, Style & Tone

- Clarity, coherence, conciseness, correctness
- Formality

- Verb tense
- Reporting verbs
- Active and Passive voice
- Present subjunctive
- Parallel structures

- Neutral, objective tone
- Pronoun references
- Expression
- Wordiness

Faculty feedback



I would say that one of the significant improvement is in the language, tone and style used in the MOM assignment. Students had better grammar and writing voice style (3rd person reported speech) after you had gone through with them in the class.

INTEGRATED WORK STUDY PROGRAMME (IWSP)



The IWSP is an integral part of applied learning as it provides an opportunity for students to integrate what they have learnt in the classroom to what is practised in the real world, and vice-versa.

https://www.singaporetech.edu.sg/modules/2569?page=2

ASSESSMENT			
IWSP report (mid and final)	80%		
Final presentation	20%		

Original marking guide



Report	Marks
Introduction	10
Company background	10
To integrate theory learned in the classroom with real world practice	10
To critically analyse problems and formulate solutions in the work place and wider community	10
To demonstrate effective professional and interpersonal skills and behaviours in the workplace	10
To demonstrate effective oral and written communication skills	10
Conclusion	10
Overall format and clarity	10
Referencing	10

(New) Report structure



The report comprises 4-5 parts; the wording of section headings is only a suggestion.

I. INTRODUCTION [20 marks]

- IWSP purpose / goal
- Company background [this can be a separate section, if desired]
- Summary of report / lessons learnt
- Purpose, scope and organization of the report

If the marker prefers *Company Background* as a separate sub-section, then *Introduction* will be allotted 10 marks and *Company Background*, 10 marks (as in the marking guide).

II. TECHNICAL COMPETENCE [20 marks]

Description of technical assignments; 3-4 sub-sections (to highlight the most important tasks & reflection points); for each sub-section, focus on:

- analysis of problem
- formulation of solution
- integration of theories learnt in the classroom with real world practice
- lesson(s) learnt, i.e., looking ahead to what the student could do in future similar instances

III. COMMUNICATIVE COMPETENCE [20 marks]

- Description of problems and solutions related to interpersonal communication and oral & written communication skills
- Application of theories; includes lessons learnt

Faculty feedback



- Students are able to follow the template and write all the required components.
- I have seen there are improvements over the years, such as the report structure, referencing.
- I have used the revised marking guide and find it is useful. The IWSP report grading is relatively subjective, especially there are multiple markers. Thus, a marking guide is important to ensure all markers have the same criteria, so that the deviation of students' grades will not be large.

(New) Report rubric

	T	<u> </u>	1	INSTITUTE OF WeakECHNOLOGY
	Excellent	Good	Satisfactory	4
	A- to A+	B- to B+	C to C+	F to D
INTRODUCTION & COMPANY BACKGROUND	The introduction provides a	The introduction provides	The introduction provides a	The introduction provides
IWSP purpose / goal	clear, succinct context for	some context for the report;	brief context for the report;	inadequate context for the
 Company background 	the report; all necessary	most necessary information	some necessary information	report; most necessary
 Summary of report / lessons learnt 	information is clearly	is included.	is included.	information is left out.
 Purpose, scope & organization of 	included.			
report				
TECHNICAL COMPETENCE	The main sections are well	The main sections are	The main sections are not	The main sections lack
(to highlight the most important tasks &	developed, with detailed,	developed, with clear	well-developed, with	substance; little or no
reflection points):	relevant descriptions and	descriptions and analyses of	insufficient and irrelevant	analysis is evident; neither is
 Analysis of problem 	analyses of problems and	problems and solutions, as	information about the	application of theories to
 Formulation of solution 	solutions, as well as clear	well as clear statements of	problems and solutions, and	practice; decisions and
 Integration of theories learnt in the 	statements of application of	application of theories to	with little evidence of	actions lack justification; the
classroom with real world practice	theories to practice;	practice; assertions are	application of theories to	content is irrelevant to the
 Lesson(s) learnt, i.e., looking ahead to 	assertions are well-	adequately supported; most	practice; decisions and	overall purpose of the
what the student could do in future	supported; decisions and	decisions and actions are	actions are sometimes	report; the response causes
similar instances	actions are justified; content	justified; content clearly	justified; some effort is	much strain for the reader.
	clearly connects to the	relates to the report's	needed to comprehend the	
COMMUNICATIVE COMPETENCE	report's overall purpose; the	overall purpose; the	response.	
 Description of problems and solutions 	response is clear and causes	response reads well, causing		
related to interpersonal	no strain for the reader.	little strain on the reader.		
communication and oral & written				
communication skills				
 Application of theories to practice 				
 Lessons learnt 				55

Workshops for IWSP students



Workshop 1

This workshop aims to help students:

- reflect on their learning in IWSP
- write reflectively by linking practice to theory
- convey technical information clearly and concisely

Workshop 2

This consultation session aims to help students:

- identify gaps in their report
- clarify their thinking about writing

Student feedback



- The workshops were helpful for me; I was clueless about how to start my report initially but the first workshop enable me to be able to start writing. The slides and exercises provided during the workshop were also very helpful. I had a fruitful consultation during the second workshop as I managed to clarify my doubts regarding my report draft and also got pointers on further improvements.
- The workshops were definitely helpful for me. My tutor gave me insightful feedbacks on how I can improve the way I write to make the report more informative while being concise. It was also very helpful that the workshops taught us how to do proper reflections not just thinking back, but also how/what we were feeling, how we could've improve/prevent the situation, etc. These are helpful not just for our reports but also in our IWSP.





Scaffolding students' learning amidst constraints



- Constraints in terms of curriculum time, resources (scalability), and cost
- Considered the blended approach where students go through the materials outside class hours and more time is spent on practice and feedback in the classroom.

Why develop original micro-modules?



- As experienced communication skills tutors, we understand our students' needs first-hand and we want to meet those needs first-hand.
- Standalone e-resources can be reused and repackaged
- One-time development cost
- No copyright issues

Accessibility in the flow of studies and work



- Automatic enrolment in the CCS workplace communication course site for the entire duration of their candidature(undergraduate and postgraduate) inclusive of the Integrated Work Study Program (IWSP) period
- OneSIT approach Automatic enrolment to the course site for student-facing staff: all faculty,
 Professional Officers, Career Services, and Student Life staff.
- Used in regular modules, embedded modules, back-to-campus (IWSP) modules as mandated or supplementary resource

CCS micro-modules rolled out in the LMS



CCS rolled out the micro-modules progressively to students and staff

- 1. English Quest (rolled out in May 2018)
- 2. Managing Meetings (rolled out in Sept 2019)
- 3. Career and Professional Development (rolled out in May 2020)
- 4. Interpersonal Skills (rolled out in Sept 2020)
- 5. Online writing and speaking skills (rolled out in Sept 2020)
- 6. Email writing (rolled out in March 2021)
- 7. Technical writing (rolled out in March 2021)

Assessing students' learning



- Pre-post surveys on students' learning for each e-resource
- Graded reflection assignment for the Career and Professional Development module





NUMBER

SHEES

788871

Assistant Professor Padma Rao



Communication Helpdesk @SIT

Focus is on the process of writing rather than the finished product, prioritising concerns related to organisation and argumentation of texts.

Online Consultations at Communication Helpdesk



Online consultation has been introduced to help SIT students with their written assignments or oral presentations, but at the convenience of being anywhere and at any time.

To widen outreach, CCS has also initiatied peer-tutoring to assist SIT students through Communication Helpdesk.

Peer-Tutoring at Communication Helpdesk



Peer Tutors are carefully recruited for Communication Helpdesk services

Training workshops are conducted to equip the selected peer-tutors with the knowledge and skills to assist SIT-students with their written assignments

A comprehensive guide is provided to the peer-tutors

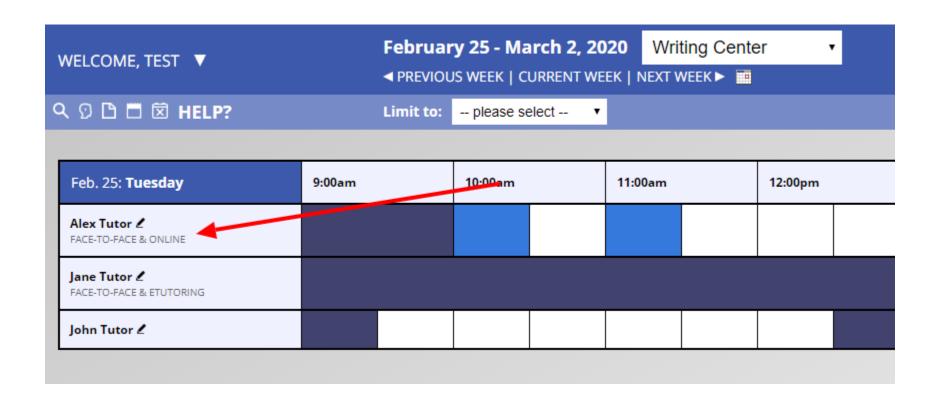
This guide has six sections:

- 1. At the start of the consultation
- 2. If the tutee has yet to write anything
- 3. If the tutee has written an introduction
- 4. If the tutee has yet to write a conclusion
- 5. If the tutee has written the whole assigned work
- 6. At the end of the consultation

3	If the tutee has written an introduction:			
	ACTION			
3.1	Read the introduction for language, and content and organization.			
3.2	Check for grammar, spelling and punctuation.			
3.3	Explain the corrections in terms of rules as far as you can so that the tutee will develop and understand sentence grammar and not make the same errors again.			
3.4	Ask the tutee which the lead-in sentence is, whether it contains the key words and provide some context			
3.5	Ask the tutee whether it is necessary to provide a fuller background context and scope to situate the written assignment.			
3.6	Ask the tutee which sentence states the purpose/s of the essay/assignment/report.			
3.7	Discuss with the tutee whether the purpose is to record, inform, describe, explain, prove, analyse, synthesise, justify, argue, propose, compare and contrast, evaluate, etc. or a combination of several (Bloom's Taxonomy may be useful here).			
3.8	If the statement of purpose and the statement of the theme are not the same, ask the tutee to show which sentence or sentences state the theme of the assignment. (For example, the general purpose of the assignment may be to state that hospitals must undergo change to meet the needs to the community, but the specific theme of the tutee's assignment may be to show that the change needed in Singapore today is for our hospital wards to be more Alzheimer patient friendly.)			
3.9	Explain to the tutee that the theme is the main point that drives the tutee's whole essay/assignment/report. For example, the theme may be exploring the feasibility of 'doll therapy' for Singapore's Alzheimer patients. Then the whole essay will be a discussion of its feasibility as revealed in research literature and its possible application in Singapore.			
3.10	Ask the tutee to show which sentence or sentences in the introduction tells the reader how he or she will organize and unpack the content of the essay, assignment or report. This forecast sentence in the introduction will most likely contain the key words of the essay/assignment/report.			

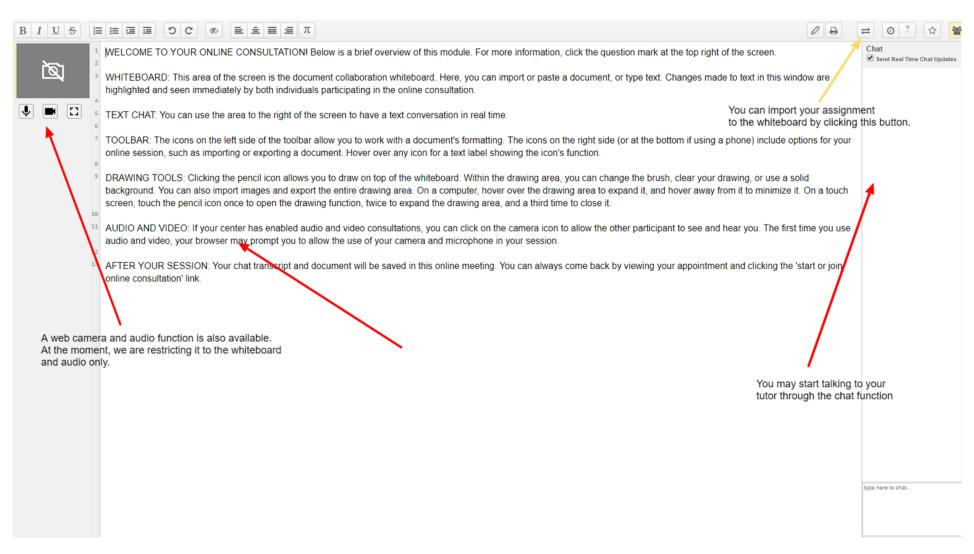
Booking a consultation





Booking a consultation





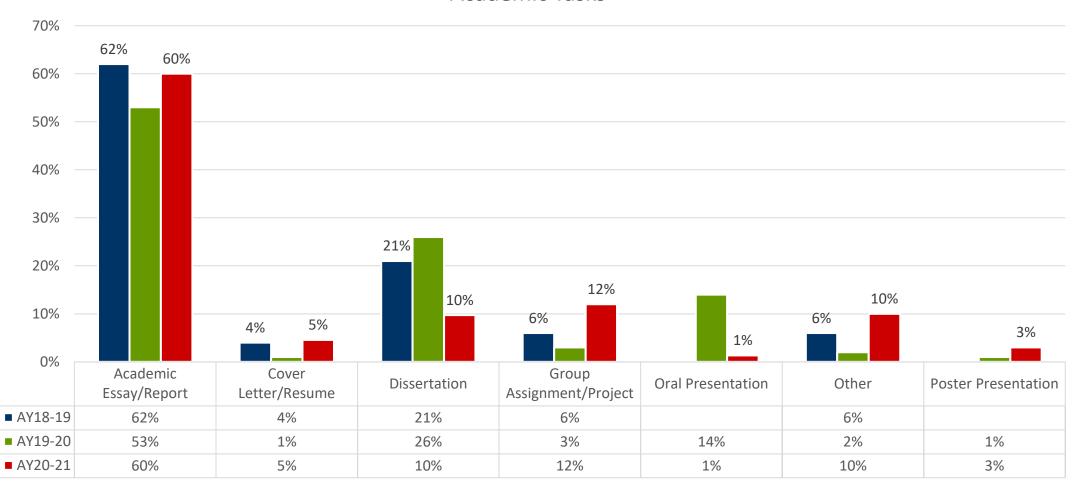
Summary of Consultations



Cluster	AY2018-2019	AY2019-2020	AY2020-2021 (T1&T2)
CEFT	56	120	147
DSB	39	4	2
ENG	82	36	62
HSS	222	228	290
ICT	2	4	22
Other	0	0	2

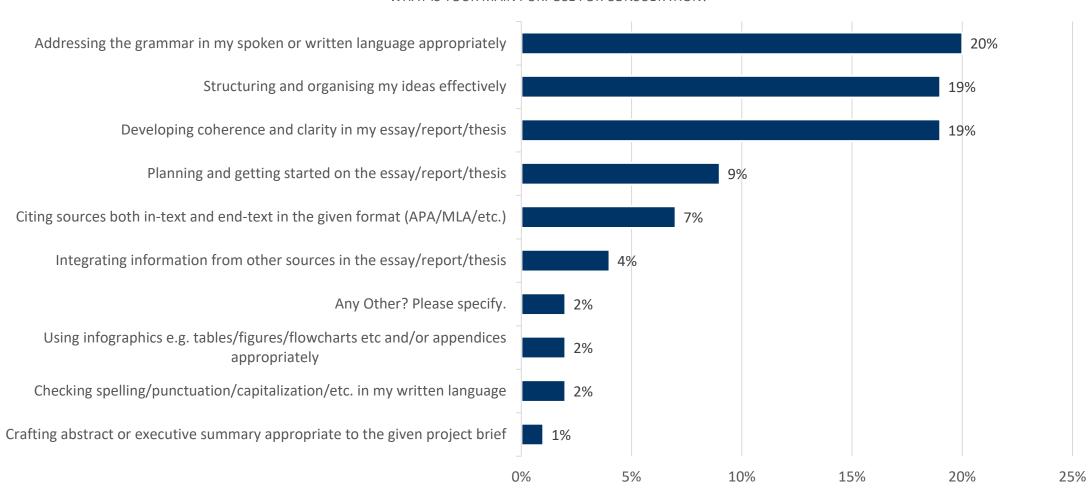


Academic Tasks



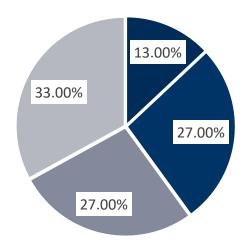


WHAT IS YOUR MAIN PURPOSE FOR CONSULTATION?



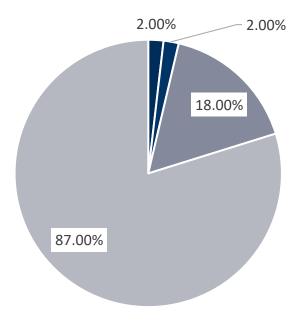


THE CONSULTATION MADE ME FEEL MORE
CONFIDENT ABOUT TACKLING MY
WRITTEN ASSIGNMENTS/ORAL
PRESENTATIONS IN FUTURE.



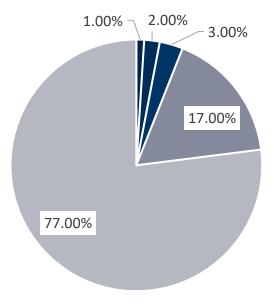
- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree





- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

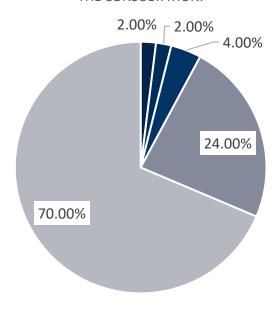
THE CONSULTATION WAS HELPFUL FOR IMPROVING THIS ASSIGNMENT.



- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

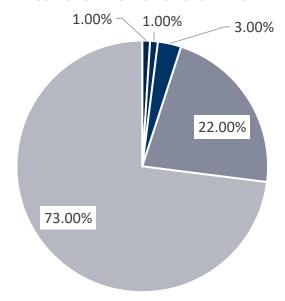


THE TIME WAS EFFECTIVELY USED DURING THE CONSULTATION.



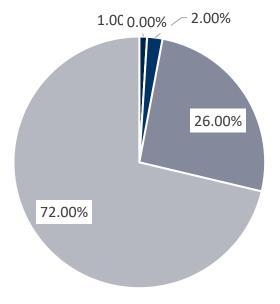
- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

COMMUNICATION HELPDESK PROVIDES A USEFUL SERVICE FOR SIT STUDENTS.



- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

I WILL RECOMMEND COMMUNICATION HELPDESK TO MY PEERS/FRIENDS IN SIT.



- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree



QUESTIONS?

