

In-class activity sheets

Research integrity, authorship, and generative AI — Supareak Prasertthdam

Activity 1 — The authorship panel

Work in pairs. Seven minutes. For each of the four contributions below, decide: author, acknowledged, or neither — and say which of the four ICMJE criteria fails.

The four criteria — all four must be met

- 1 Substantial contribution to conception or design; or acquisition, analysis or interpretation of data
- 2 Drafting the work, or reviewing it critically for important intellectual content
- 3 Final approval of the version to be published
- 4 Agreement to be accountable for all aspects of the work

#	Who	What they did	Author / Ack. / Neither	Which criterion fails?
1	The technician	Ran every measurement in the paper, exactly as instructed. Read no draft.		
2	The head of department	Did not touch the project. Says departmental convention puts them last on all group papers.		
3	The collaborator	Supplied a rare catalyst and its unpublished characterisation, then declined to review the manuscript.		
4	The supervisor	A master's student wrote the whole first draft; the supervisor rewrote it so heavily that little original wording survives.		

Number 3 has no clean answer. Write what you would actually do, in one sentence.

Activity 2 — The AI traffic light

Work in pairs. Seven minutes. Sort each of the ten uses below.

GREEN

Use freely. Mention it briefly in the submission.

AMBER

Permitted — but you must log the tool, the purpose and the prompt.

RED

Prohibited in this course.

#	The use	G / A / R	Your reason
1	Correcting the grammar of a paragraph you wrote		
2	Asking an LLM for three counter-arguments to your Discussion		
3	Asking for a list of references on your topic, and citing them		
4	Translating your own Thai draft into English		
5	Generating a schematic illustration of your reactor set-up		
6	Asking an LLM to write your Introduction from your bullet points		
7	Screening 300 abstracts for relevance, then reading the ones it keeps		
8	Uploading a manuscript you are reviewing, to help write the review		
9	Smoothing the wording of a review report you wrote yourself		
10	Asking AI to generate plausible data for a condition you did not run		

Then draft one disclosure

Pick any use you marked Amber. Write the declaration you would attach to a submission, using the course template.

During the preparation of this work the author used [TOOL, version] in order to [PURPOSE]. After using this tool, the author reviewed and edited the content as needed and takes full responsibility for the content of the work.

Your version
