

An online module on AI for student learning and research

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Introduction

- Artificial intelligence (AI) is a hot topic within higher education, impacting teaching, learning and research
- Many opportunities are presented by these technological advances
- Concerns around academic misconduct
- Encourage responsible and ethical use of AI to enrich student learning and research (1,2)
- Aligns with Queen Mary's Strategy 2030 (3) and Russell Group Principles on AI in Higher Education (4)

Our approach

Why a QMplus module?

- Students are using QMplus all the time
- Ease and familiarity for development
- Easily accessible to all
- Students can pick elements most useful to them, work at their own pace, and return at relevant points throughout their course
- Easily integrated within teaching

The QMplus module

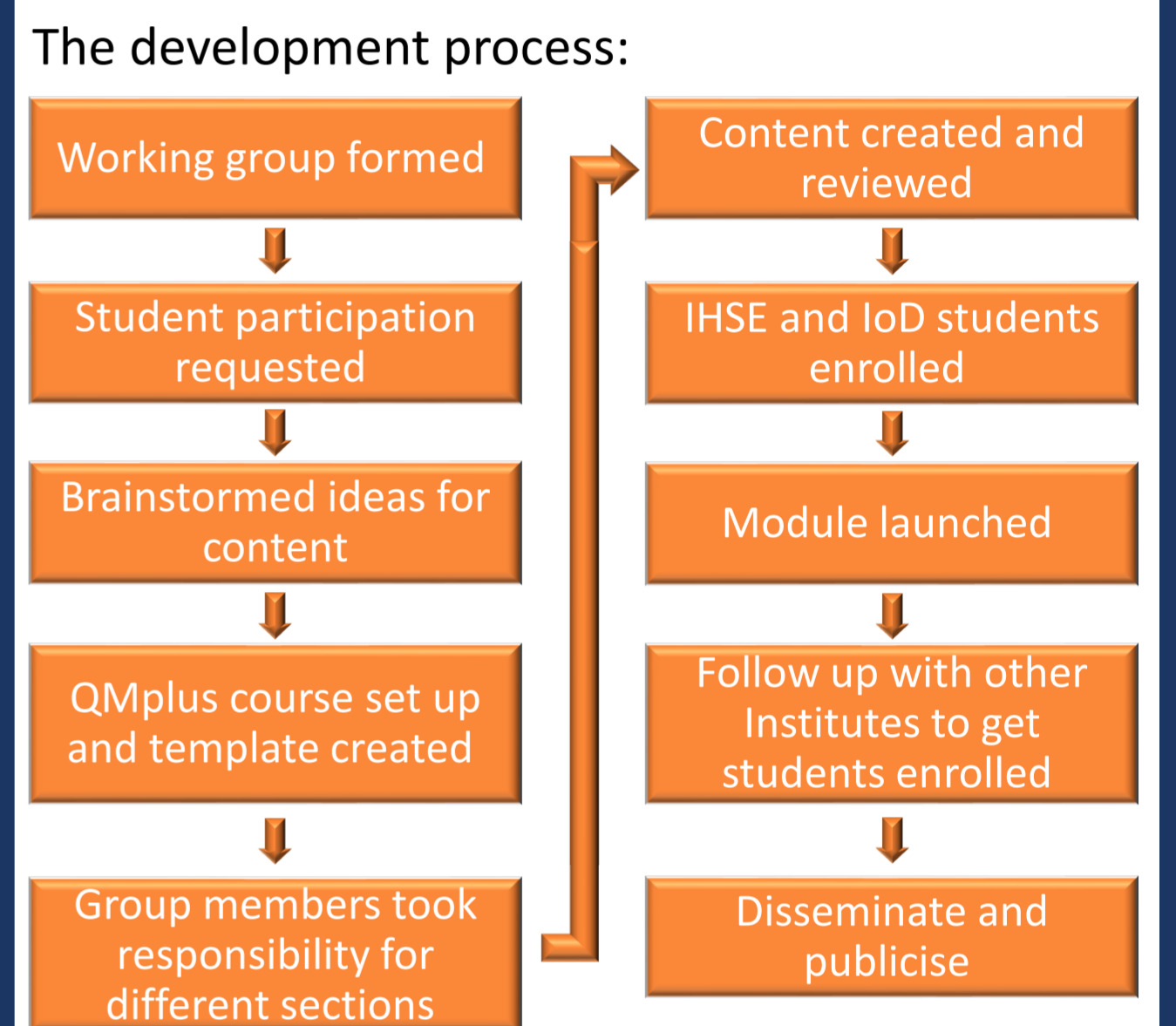
Content and structure of the module, alongside a module introduction and summary

Introduction to AI	Finding information	Writing	Revision
What is AI?	Writing helpful prompts	Generating structure for assignments	Writing practice exam/assessment questions
Appropriate use of AI	Introducing a topic	Using AI for feedback	Creating revision/learning plans
AI tools	Generating keywords for further research	Referencing AI	
Advantages and limitations	Checking sources	Critical thinking	Clinic-based learning
Ethical considerations		Evaluate output from AI tools	Roleplay for clinical situations

- Can assist with learning, writing and research
- Useful starting point, but need to add own insights and analysis
- Not a replacement for human thinking / expertise
- Good for generating ideas, not so good for factual information

Can you use AI...

- ...to generate text?
- ...for exams and revision?
- ...for helping you think more critically?
- ...prompts for learning?
- ...as a source?
- ...as a reference?
- ...as an assistive technology?
- ...if it isn't necessary?



Engagement with the module

Usage / completion stats (as of 26/1/24)

- 9880 enrolments
- 4544 accessed the module
- 536 engaged with some content
- 384 certificates issued

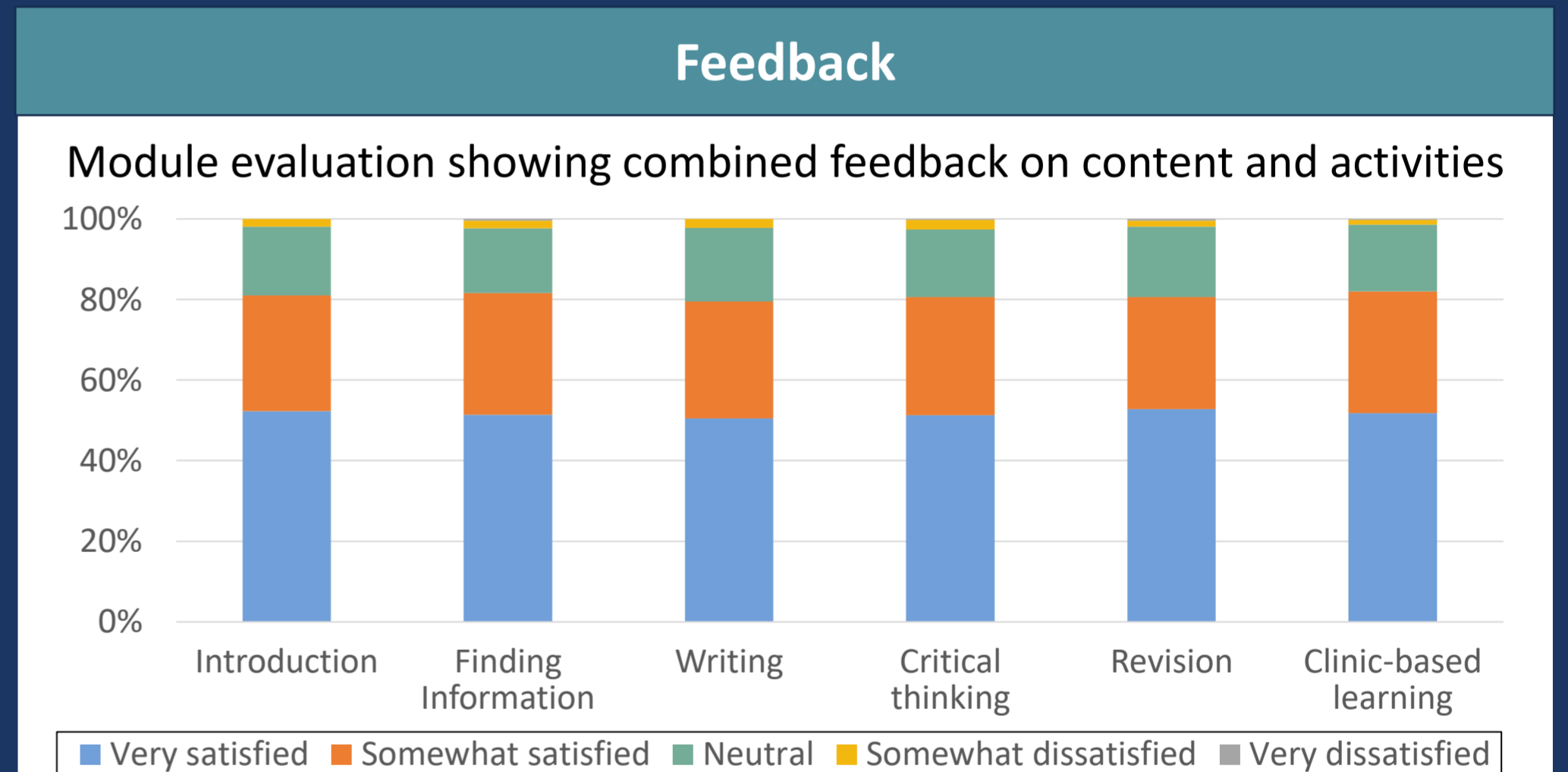
- MBBS year 1 students had to gain certificate and show to their PBL tutor
- Some of the content integrated into BDS year 1 teaching around finding and evaluating information

A lot of the content was related to learning and how we can integrate AI into our education as students at the level we are at. Pros and cons were clearly highlighted. Good examples of when one can rely on AI to be used and how it can be used as an aid.

I liked the pace and activities of the course giving a nice and succinct introduction to AI.

I found it very interesting learning about the different ways it can be used, such as for brainstorming and assisting with revision but at the same time recognising its limitations and what we need to look out for.

it has helped me to ensure that I don't use it in a way that is deemed academic misconduct.



Suggestions for improvement

mainly focused around:

- Length and volume
- Less text / more activities

Interest from others in using this as a basis for resources for their own students

Feedback from academics:

- Empowers our students
- Fantastic resource
- Great use of the tech
- Use AI in a responsible way
- Fantastic initiative
- Really good idea
- Harness the potential of AI
- Much needed
- Emphasising ethical usage

Challenges and lessons learnt

- Not all initial interest turned into commitment to develop the module
- Lead academic stepped away from the project leaving a lack of experience with managing grant applications, recruiting students etc.
- Getting everyone in FMD enrolled not easy. Ended up with an ad hoc approach of reaching out to contacts for individual programmes
- Not everyone is on the same page regarding the use of AI in academia
- Challenges with managing scholarship activities around existing workloads

Going forward

With support from QMA interns and student assistants employed through the President and Principal's Fund for Educational Excellence grant.

- Further development of the module, particularly in response to student feedback
- Sharing with other schools / faculties, and potentially other universities
- Focus groups to gather more detailed feedback on AI in education
- Research about use of AI in education, based on Technology Acceptance Model
- Assess academic misconduct in cohorts who have / haven't completed the module
- Symposium bringing together those working on AI at the University and beyond

References

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