

Use of AI for Family and Consumer Science in NSSE

Course	QCX12A Pedagogies in Food and Consumer Sciences
Modality	Online asynchronous (1 hour), online Synchronous (2 hours)
Intended Learning Outcomes	1. Explain the rationale and objectives of teaching Food and Consumer Sciences. 2. Compare the FCS curricula across different countries, with particular emphasis on the Asian region, 3. Understand and critique the scope, approaches, and development of FCS as a discipline of study internationally.
Role of Faculty	Before lesson: 1. Source for FCS syllabuses from different countries 2. Upload the curricula and readings on NTULearn and set up discussion forum. 3. Create a Gemini Notebook and upload the curricula and readings. 4. Share the Gemini Notebook to students through Google Classroom 5. Create a discussion forum in NTU Learn with the help of AI to formulate the discussion topic on FCS curricula/syllabuses comparison of the different Asian countries. During lesson (Synchronous online): 1. Give a lecture on “An overview of FCS Education in Singapore” 2. Facilitate discussion on LO2 and 3 during Tutorial segment.
Role of Students <i>Learning as Participating: Practice</i>	Before lesson (1 hour): 1. Spilt into groups of 3 to 4 to work on 2-3 syllabuses per group. Class size usually 15, so will have around 4-5 groups. 2. Use online tools to translate non-English materials. 3. In their group, summarize the syllabuses and organize into - Aim and Objectives - Rationale - Years of Study, Duration of Lessons - Key Essential Knowledge Covered - Assessment - Any other component 4. Prepare an oral presentation (about 5 slides) to share during lesson. Post their findings in the NTULearn Discussion Forum. During lesson (2 hours): 1. Share their findings in the form of a oral presentation, they may use AI to create a slide presentation. 2. Discuss the uniqueness of each country’s syllabus and compared to SG’s. Critique on the rationale of the design of the syllabi/curricula in terms of the social, economic, and cultural aspects of the country. 3. Suggest recommendations to the SG’s syllabus. 4. Collate discussions and materials and add to their own learning journal.
Role of AI	Use of Gemini Notebook to translate and summarize materials Learning with AI
Artefacts (if any)	Questions and answers in the discussion forum.