APPENDIX. Survey Questionnaire

Greetings! This is a Research Project titled Preference for e-Learning Platforms conducted under the guidance of Professor Edmund Lee and Professor Judy Sng from the Department of Pharmacology. We wish to understand students’ attitudes and preferences towards video materials (i.e. a form of e-learning). The information obtained from this survey would help us further improve the designing for future video materials to enhance students’ learning experience. Thus, we're seeking your assistance to voluntarily complete this anonymous short survey. This survey can be completed in about 15 minutes. Thank you for your help!

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For an independent opinion regarding the research and the rights of research participants, you may contact a staff member of the National University of Singapore Institutional Review Board (Attn: Dr Chan Tuck Wai, at telephone 65-6516 1234 or email at irb@nus.edu.sg).

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<tr>
<th>Faculty/ Year:</th>
<th>Age:</th>
<th>Gender: M/F</th>
<th>Nationality:</th>
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1a. Do you possess any smartphone, tablet or laptop?
Please TICK ONLY ONE option. If No, please state the reason.

☐ Yes
☐ No (Reason: __________________________)

b. What personal mobile technology do you own?
You may TICK MORE THAN ONE option.

☐ Smartphone
☐ Tablet
☐ Laptop

2a. If you own a smartphone, which operating system does your smartphone use?
Please TICK ONLY ONE option.

☐ I don’t have a smartphone.
☐ Android
☐ Windows
☐ iOS
b. If you own a tablet, which operating system does your tablet use? Please TICK ONLY ONE option.

☐ I don’t have a tablet.
☐ Android
☐ Windows
☐ iOS
☐ Others: _______________

c. If you own a laptop, which operating system does your laptop use? Please TICK ONLY ONE option.

☐ I don’t have a laptop.
☐ Windows
☐ Apple/Macintosh
☐ Others: _______________

The term ‘video materials’ in the following questions refer to webcast lectures (recording of live lectures), screencast (audio recording over PowerPoint Slides) and other video formats.

3. Please RANK the frequency of these electronics usage for video materials according to the following: with - ‘1’ being MOST frequent to ‘4’ being LEAST frequent. DO NOT repeat the numbers. (Please write N.A. (Non-Applicable) IF you do not own a particular electronic device from the following.)

☐ Home desktop computer
☐ Laptop
☐ Tablet
☐ Smartphone

4. In general, rate the ease you are able to access video materials? Please TICK ONLY ONE option with - ‘1’ being EXTREMELY inaccessible to ‘10’ being EXTREMELY accessible.

☐ 1  ☐ 2  ☐ 3  ☐ 4  ☐ 5  ☐ 6  ☐ 7  ☐ 8  ☐ 9  ☐ 10

5. What is the consideration in determining where you watch these video materials? Please RANK ALL THE OPTIONS with - ‘1’ being MOST important to ‘5’ being LEAST important. DO NOT repeat the numbers.
Having a long stretch of available time
Quiet environment
Stable internet access
Cost of internet access
Availability of power socket to charge electronic devices

6. Where do you watch these video materials?

Please RANK ALL THE OPTIONS with - ‘1’ being MOST often to ‘5’ being LEAST often. DO NOT repeat the numbers.

(Please write N.A. (Non-Applicable) IF you do not watch video materials from the following places.)

- At home
- Hall/Residences (e.g. Prince George’s Park, Raffles Hall, Residential colleges at UTown)
- School
- Public transport
- Public places (e.g. Library, Cafes)

Others: __________________________________________

7. In general, how comfortable are you in using electronic devices to watch these video materials?

Please TICK ONLY ONE option with - ‘1’ being extremely UNCOMFORTABLE to ‘10’ being extremely COMFORTABLE.

☐ 1  ☐ 2  ☐ 3  ☐ 4  ☐ 5  ☐ 6  ☐ 7  ☐ 8  ☐ 9  ☐ 10

8. In general, how frequently do you watch video materials?

Please TICK ONLY ONE option.

☐ Never
☐ Rarely (<25% of your lectures)
☐ Sometimes (25-50% of your lectures)
☐ Often (51-75% of your lectures)
☐ Very often (>75% of your lectures)

9. Have you experienced watching video materials in your previous school (before coming to NUS)?

Please TICK ONLY ONE option.

☐ Yes
10. If you were to watch video materials today, which of the following most describe your feeling? Please TICK ONLY ONE option.

- [ ] I am looking forward to it
- [ ] I have no choice
- [ ] I am dreading it
- [ ] I hate it

11. Why do you watch video materials?
Please RANK ALL THE OPTIONS with - ‘1’ being MOST relevant to ‘6’ being LEAST relevant.

- [ ] To better understand the lecturer
- [ ] To review and annotate lecture notes
- [ ] To replace a missed lecture
- [ ] To skip a lecture
- [ ] Revise for exams
- [ ] I prefer watching video materials to attending a live lecture

12. What type of layout do you prefer when watching video materials? Please TICK ONLY ONE option.

- [ ] Lecture recording (i.e. Video recording of the live lecture from the back of the hall)
- [ ] Only the multimedia (e.g. PowerPoint slides) shown during lecture accompanied with audio recording
- [ ] Both multimedia (e.g. PowerPoint slides) and lecture recording
- [ ] Both multimedia (e.g. PowerPoint slides) and video clip of professor’s face at a corner lecturing

13. Which is your preferred form of video materials?
Please RANK ALL THE OPTIONS with - ‘1’ being MOST preferred to ‘3’ being LEAST preferred. DO NOT repeat the numbers.

- [ ] Webcasted Lectures (i.e. Video recording of the live lecture from the back of the hall)
- [ ] Screencast (i.e. audio recording over PowerPoint Slides)
- [ ] Educational videos (i.e. Documentary-style)
14. In general, how do you think we can improve on the ease of use of video materials? *Please RANK ALL THE OPTIONS with - ‘1’ being MOST appropriate to ‘8’ being LEAST appropriate. DO NOT repeat the numbers.*

☐ Simple and convenient navigating interface
☐ Search function to navigate to the topic of interest within the video
☐ Break-up the video into shorter viewing segments
☐ Pause and resume function from where you left off
☐ Track and bookmark videos previously watched
☐ Subtitles
☐ Accompanying hard copy verbatim transcript of the lecture
☐ Online technical support

Others: ____________________________________________

15. In general, how do you think we can improve on the usefulness of video materials? *Please RANK ALL THE OPTIONS with - ‘1’ being MOST appropriate to ‘6’ being LEAST appropriate. DO NOT repeat the numbers.*

☐ Defined learning objectives
☐ Summary points of the lecture content
☐ Accompanying hard copy verbatim transcripts of the lecture
☐ Direct links to external sources of information
☐ Direct links to case studies and other applications
☐ Online practice tools (e.g.: assessment, quiz etc.)

Others: ____________________________________________

16. In general, how do you think we can improve on making video materials more engaging? *Please RANK ALL THE OPTIONS - ‘1’ being MOST appropriate to ‘7’ being LEAST appropriate. DO NOT repeat the numbers.*

☐ Better graphics
☐ Use more animations
More creative ways of content presentation
☐
Shorter video segments
☐
Better audio recording
☐
Simple and convenient navigating interface
☐
Insert links to other learning resources
☐

Others: _______________________________________________

17. In general, how useful are video materials in helping you to learn?

Please TICK ONLY ONE option with - ‘1’ being extremely NOT USEFUL to ‘10’ being extremely USEFUL.

☐ 1  ☐ 2  ☐ 3  ☐ 4  ☐ 5  ☐ 6  ☐ 7  ☐ 8  ☐ 9  ☐ 10

18. In general, how useful are video materials in helping you to prepare for examinations?

Please TICK ONLY ONE option with - ‘1’ being extremely NOT USEFUL to ‘10’ being extremely USEFUL.

☐ 1  ☐ 2  ☐ 3  ☐ 4  ☐ 5  ☐ 6  ☐ 7  ☐ 8  ☐ 9  ☐ 10

19. In general, how effective are video materials in engaging you in the learning process?

Please TICK ONLY ONE option with - ‘1’ being extremely UNSATISFYING to ‘10’ being extremely SATISFYING.

☐ 1  ☐ 2  ☐ 3  ☐ 4  ☐ 5  ☐ 6  ☐ 7  ☐ 8  ☐ 9  ☐ 10

20. Which e-learning platforms are you aware of previously other than video materials?

You may TICK MORE THAN ONE option.

☐  None
☐  Games
☐  3D simulation models
☐  Blogs
☐  Virtual classroom

Others: _______________________________________________

21. Have you experienced other e-learning platforms apart from video materials (i.e. webcasted lectures, screencast and other video formats)?

Please TICK ONLY ONE option.

☐  Yes
☐  No

22. Which is your preferred teaching delivery method?
Please **RANK ALL THE OPTIONS** with - ‘1’ being MOST preferred to ‘6’ being LEAST preferred.

- □ Live lectures
- □ Video materials (i.e. webcasted lectures, screencast and other video formats)
- □ Live lectures supplemented with video materials
- □ Comprehensive lecture notes
- □ Live lectures supplemented with comprehensive lecture notes
- □ Small group discussions

23. How do you feel about replacing live lectures with video materials?
*Please TICK ONLY ONE* option with - ‘1’ being strongly AGAINST to ‘10’ being strongly SUPPORT.

- □ 1  □ 2  □ 3  □ 4  □ 5  □ 6  □ 7  □ 8  □ 9  □ 10

24. How do you feel about replacing video materials with a set of comprehensive lecture notes?
*Please TICK ONLY ONE* option with - ‘1’ being strongly AGAINST to ‘10’ being strongly SUPPORT.

- □ 1  □ 2  □ 3  □ 4  □ 5  □ 6  □ 7  □ 8  □ 9  □ 10