

Supplementary Material to “Online teaching modality in a pandemic time: the opinion from a group of undergraduate physics students”

Appendix

Questions applied on the electronic quiz:

Identification

1- Are you a college physics student?

- a) Yes, I am;
- b) No, I am not.

2- Was your course face-to-face originally?

- a) Yes, it is;
- b) No, it is not.

3- When did you start the course?

4- What is the name of your college?

The educational process in the pandemic time

5- Were your classes affected by the pandemic?

- a) Yes, I am watching online classes;
- b) No, the semester was interrupted;
- c) No, the classes keep face-to-face.

6- What platforms have been used for the classes?

- a) Moodle;
- b) Google Meet;
- c) Zoom;
- d) Google Hangouts;
- e) Other.

7- Had you problems with platforms' adaptation? On a scale of zero to ten, zero means very difficulty.

8- Do you believe that your professors are qualified for online classes? On a scale of zero to ten, zero means unprepared.

9- Have you any concentration problems in online classes? On a scale of zero to ten, zero means absence of difficulties.

10- What aspects take away your concentration?

- a) Social media;

- b) Someone else at home;
- c) Inadequate environment;
- d) The possibility to do other things;
- e) Other.

11- In your opinion, are the professors' practices adequate to online teaching? On a scale of zero to ten, ten means very adequate.

12- What are the positive aspects of professors' practice on online teaching?

13- What are the negative aspects of professors' practice on online teaching?

14- What pedagogical resources have been used by the professors? Choose as wished.

- a) PowerPoint presentations;
- b) Videos;
- c) Computer simulations;
- d) Smart blackboard;
- e) Speaking;
- f) Other.

15- Have you adequate materials to study at home?

- a) Yes, I have all materials;
- b) Yes, I have some materials;
- c) Yes, I have several materials;
- d) No, I do not have materials.

16- How do you feel about online evaluations? On a scale of zero to ten, ten means very satisfactory.

17- What are the evaluation methods adopted by your professors?

- a) Writing evaluation;
- b) Speaking evaluation;
- c) Homework;
- d) Seminars;
- e) Exercises resolutions;
- f) Other

18- Have your institution offered tutors?

- a) Yes, all classes have tutors;
- b) Yes, several classes have tutors;
- c) No, tutors' activities have interrupted in online teaching;
- d) Tutors' activities never happened in my classes.

19- What suggestions would you like to point out to improve online teaching?

Interactive process in the pandemic time

20- What do you know about the contents' access for colleagues?

21- Have the platform enabled contact between students and professors in real-time?

- a) Yes, it is. Professors are interacting in real-time;

- b) Yes, it is. Professors are not interacting in real-time;
- c) No, it is not.

22- If you don't have real time contact with professors: Do you believe that it is important? On a scale of zero to ten, ten means very important.

23- Do you prefer to study with colleagues or alone?

24- How much the pandemic affected your grouping studies routine? On a scale of zero to ten, ten means very much.

25- What platforms have you used to interact with colleagues?

- a) Calling by video or audio;
- b) Texts messengers on direct;
- c) Texts messengers on groups;
- d) Email;
- e) Other.

26- Have the contact's absence with colleagues affected your performance? On a scale of zero to ten, ten means very much.

27- If you answered "yes" or "partially" in the last question, does the social distancing make you feel in a bad mood? What are your feelings? Choose as wished.

- a) Anxiety;
- b) Depression;
- c) Lack of motivation;
- d) Loneliness;
- e) Insecurity;
- f) Scared;
- g) I'm feeling good;
- h) Other.

28- What is the percentage of impact due to the feelings mentioned in the last question? On a scale of zero to ten, ten means very much.

Final considerations

29- What are the disadvantages of online classes? Choose as wished.

- a) The lack of contact with professors;
- b) The lack of contact with colleagues;
- c) Concentration problems;
- d) Problems with digital platforms.
- e) Connection problems;
- f) Other.

30- What are the advantages of online classes? Choose as wished.

- a) Watch the video as much as possible;
- b) Stop the video;
- c) Choose a specific time to attend classes;
- d) Watch the class and do other things simultaneously;
- e) Recording the class;

- f) Nothing;
- g) Other.

31- How do you evaluate your performance in online classes compared with the period before the pandemic? On a scale of zero to ten, ten means very good.

32- What could be done to improve online teaching? Choose as wished.

- a) Adapting better the classes to the platforms;
- b) Improve the internet connection;
- c) More interaction between professors and students;
- d) More interaction between students;
- e) Other.

33- What are the problems faced to you during the online teaching adaptation?

- a) The content in general;
- b) Evaluation;
- c) Check presence;
- d) Other.

34- Could you tell more details about your experience in online teaching? Would you like to say something else?