

SUPPLEMENTARY MATERIAL: QUESTIONNAIRE

This questionnaire was distributed to medical students of the Complutense University of Madrid during the 2023/2024 academic year. The aim was to explore students' perceptions and opinions regarding theoretical classes in the Medicine degree. Participation was voluntary and anonymous.

Section 1. General information

1. What is your gender?
(Female / Male / Non-binary / Prefer not to say)
2. How old are you?
(Open response)
3. Do you work in addition to studying?
(No / Yes)
4. Would it be helpful for you to be able to work in addition to studying?
(No / Yes)
5. In which year of the degree are you currently enrolled?
(First / Second / Third / Fourth / Fifth / Sixth)
6. Do you have pending subjects from previous years?
(No / Yes)
7. If yes, how many?
(1 / 2 / 3 / 4 or more)

Section 2. General opinion about the degree

8. At present, do you regret having chosen Medicine?
(No / Yes)
9. If yes, what is the main reason?
(It is not what I expected / It is too difficult / It causes me a lot of stress / Other: open response)
10. Do you think your enthusiasm is now lower than when you started the degree?
(No / Yes)
11. If yes, what do you consider the main reason?

(Excessive difficulty / Little time for my activities / A lot of stress / I do not like the way it is taught / I do not like the content of the subjects / Other: open response)

Section 3. The format of theoretical classes

12. What is your level of satisfaction with the quality of teaching in face-to-face theoretical classes?
(Not satisfied at all / Slightly satisfied / Neutral / Quite satisfied / Very satisfied)
13. Do you think attending face-to-face theoretical classes is essential for learning Medicine, or could you effectively learn the theory remotely?
(They are essential / I could learn remotely)
14. Do you often get bored and stop paying attention during theoretical classes?
(No / Yes)
15. If you answered yes, what do you think is the main reason for your boredom/inattention?
(The format of the classes – PowerPoint presentation / The content of the classes / The classes are too long / There are too many theoretical classes in a row / Both that the classes are too long and that there are too many in a row / Other: open response)
16. In theoretical classes, do you often feel that you are wasting your time?
(No / Yes)
17. Do you think the length of each theoretical class should be reduced?
(No / Yes)
18. How long do you think each theoretical class should last (including time for questions)?
(About 25–30 minutes / About 30–45 minutes / Between 45 and 60 minutes / More than 60 minutes)
19. Assuming classes last 50–60 minutes, as they do now, how many consecutive theoretical classes in the same morning would seem

acceptable to you so as not to get tired and to pay proper attention?

Regardless of whether or not there are breaks between them.

(1–2 classes / 3–4 classes / 5–6 classes / 7–8 classes)

20. Do you prefer theoretical classes with PowerPoint or with a traditional blackboard?

(With PowerPoint / With blackboard / I don't mind / Other: open response)

21. Would you prefer to follow theoretical classes online, through live video, instead of in face-to-face format?

(No / Yes)

22. Would you like professors to upload videos of theoretical classes to the virtual campus so you can watch them whenever it suits you?

(No / Yes)

23. If professors uploaded videos of the classes to the campus, would you still attend face-to-face classes?

(No, I would just watch the videos when convenient / I would miss many / I would attend some / I would attend almost all / I would attend all)

24. What do you think would be the best way to deliver theoretical classes?

(Face-to-face / Online in real time: live streaming / Online on demand: professors upload videos to the campus and I watch them when I want / Mixed model: face-to-face plus uploaded video / Other: open response)

25. Leaving aside whether theoretical classes are boring or not, do you like attending university in person?

(Not particularly / Yes)

26. What do you think is the best thing about having face-to-face classes?

(Seeing and interacting with my classmates / Spending time outside home / I prefer the face-to-face format: I learn more or better / Other: open response)

27. What do you think is the worst thing about having face-to-face classes?

(The commute time from home to the faculty or hospital / The lack of schedule flexibility / The mornings feel too long and I get bored / I often feel I am wasting my time / Nothing, I don't see any disadvantages / Other: open response)

28. Approximately how long does it take you to get from home to the place where you have most of your theoretical classes (faculty/hospital)?
(Between 5 and 20 minutes / Between 20 and 40 minutes / Between 40 and 60 minutes / More than 60 minutes)
29. What do you think would be the best thing about having theoretical classes online?
(Having flexible schedules: being able to watch them whenever I want / Not losing track of the class: being able to pause the video, go back, etc. / Saving the commute time to the faculty or hospital / Other: open response)
30. What do you think would be the worst thing about having theoretical classes online?
(Not seeing my classmates every day / I would learn less / Nothing, I don't see any disadvantages / Other: open response)
31. When you attend face-to-face classes, do you usually socialize afterwards with classmates? Do you stay for a while to eat, have a drink, or make other plans?
(Yes, often: several times a week / Yes, sometimes: once a week / Not much: 2 or 3 times a month / Almost never: once a month / Generally no)
32. If you answered yes to the previous question: If all your theoretical classes were online, would you still meet your classmates to make other plans?
(Yes, we would meet with the same frequency / We would meet less often)
33. If videos of theoretical classes were uploaded and you did not have to attend in person, do you think you could organize yourself to have more free time than you do now?
(Not particularly / Yes)
34. If you answered yes to the previous question, what would you most like to do with that free time?
(Study more calmly / Do other activities related to the degree: research, teaching / Travel / Dedicate time to my other hobbies: sports, cultural

activities, etc. / See my friends or family more / Rest / Other: open response)

Section 4. The content of theoretical classes

35. Do you think the theoretical workload of the degree should be reduced and the practical workload increased, if practical sessions continue to be organized as they are now?

(No / Yes / I have no opinion on this matter)

36. Do you think information should be removed from theoretical classes in order to provide a more general overview of each topic, without so many specific details? For example, not mentioning very rare diseases and focusing on the most common ones.

(No, I think it is fine to include all possible information / Yes, I think some information should be removed / I have no opinion on this matter)

37. Would you like real examples or clinical cases to be frequently presented in theoretical classes, with photos, videos, etc.?

(No, I am not particularly interested / Yes, I like real examples or clinical cases / I don't mind)

38. Within the theoretical content of the degree, would you like to have more hours of "humanities" subjects, such as bioethics or history of medicine?

(No / Yes / I don't mind)

39. Within the theoretical content of the degree, would you like to hear more about topics related to scientific research? Publication models, databases, research ethics, legislation, etc.

(No / Yes / I don't mind)

40. Do you like interacting in class? Asking or answering questions, discussing practical cases with your classmates...

(No / Yes / I don't mind)

41. Do you think face-to-face theoretical classes should be more interactive, with more questions and student participation, and less based on the one-way transmission of information from professor to student?

(No / Yes / I don't mind)

Open-ended questions

42. What would you add to or remove from the theoretical content of the degree?

(Open response)

43. Thank you very much for your participation. If you have any comments, you can leave them here.

(Open response)