

Table S2. Initial student perception survey. This table provides the complete list of the 18 questions from the initial perception survey, administered to students on the first day of the second semester. The questions were designed to assess various aspects of their prior educational experience, their perception of high school content, their attitude toward the Biochemistry course, and their perceived preparedness for it. Responses to these questions were rated on a 1-10 Likert scale and were used to diagnose the initial state of the student body before the implementation of the DEAb methodology.

Nº	QUESTION	RESPONSE (1-10)
1	As a future biologist, do you consider the Biochemistry course important?	
2	Do you expect to find many connections between the content of the course and your everyday life experiences?	
3	During your time in Secondary Education, was all the content concerning the Biochemistry and Molecular Biology blocks taught?	
4	During high school, did your teacher focus primarily on teaching the content that would be asked on the University Entrance Exam, leaving some content unexplained?	
5	Would you have preferred to be taught all the Biology and Geology material in high school to arrive better prepared for University?	
6	If you could repeat your secondary education, would you prefer that all the curriculum be taught?	
7	Was the Bachelor's Degree in Biology your first choice for a university degree, or are you in Biology because you did not get a high enough grade to study another degree?	
8	Do you consider there to be too much difference between the first and second years of Biology in terms of subject difficulty and workload?	
9	The pandemic situation caused some teaching to be virtual, making use of ICTs. Do you prefer that type of teaching?	
10	Have you ever clicked into a virtual class and then done something else while appearing to be connected?	
11	Does taking exams through digital platforms make it easier for students to cheat, either by copying from other students or by doing quick searches on the internet or using notes?	
12	During digital platform-based exams, have you ever cheated?	
13	Based on your current knowledge, do you consider yourself prepared to pass the course?	
14	Do you consider that, to optimize academic performance, university professors are responsible for your motivation?	
15	What degree of responsibility do you think the university professor has with respect to the lack of basic knowledge that students should have but do not (i.e., should the professor invest time in explaining it)?	
16	Do you think that the possible level of demand from the professor influences the student's perception of their professionalism?	
17	Do you consider that the faculty has sufficient command of the subject matter?	
18	What is your degree of satisfaction with the Teaching Team for this course?	