

**Table S1. Questionnaire feedback and suggestions**

| Question Summary                                                                                    | Reform Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adjust course content to arouse students' interest                                                  | <ul style="list-style-type: none"> <li>➤ Add some "entertainment" elements to the class to liven up the atmosphere.</li> <li>➤ This course can start with simple human organs and add more scientific, professional and practical content to stimulate students' motivation to learn.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Need to weaken grammar knowledge learning                                                           | <ul style="list-style-type: none"> <li>➤ Focus on teaching medical-related content and introduce English words commonly used in studying for exams.</li> <li>➤ Change the teaching strategy to focus less on grammar and sentences and more on how to read medical-related literature, etc.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| The problem of "listening, speaking, reading and writing" bias in the curriculum                    | <ul style="list-style-type: none"> <li>➤ Easy-to-understand and valuable medical and life science-related video clips were selected as listening training materials. Most students considered "listening" the most important of the four parts.</li> <li>➤ In the class, students are encouraged to speak more and try more, not to learn "dumb" English, and to introduce entertainment elements such as "You Say, I Guess" and "Gun Debate".</li> <li>➤ Students were randomly selected to read the text in class and evaluated whether they had completed the corresponding preview or review task after class.</li> <li>➤ Students must write what they say and hear within the time limit and may complete appropriate extensions.</li> </ul> |
| Strengthen the degree of connection between courses and professional courses, study and future work | <ul style="list-style-type: none"> <li>➤ Focus on teaching Medical English that can be used daily, such as reagent kits, and learning English words related to various diseases.</li> <li>➤ Students are required to read English literature that is related to their major and report on it in their final assessment.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Adjust evaluation methods                                                                           | <ul style="list-style-type: none"> <li>➤ The course assessment is conducted in the form of a comprehensive assessment. Therefore, it not only trains the students' manual and verbal ability but also cultivates their sense of teamwork.</li> <li>➤ The final assessment is conducted in groups, requiring a clear division of labour among the groups and not allowing the phenomenon of "muddy water". This grouping is included in the grading system.</li> </ul>                                                                                                                                                                                                                                                                              |

**Table S2 Suggestions from students who completed the course**

| <b>Serial number</b> | <b>Time to submit the questionnaire</b> | <b>Answer Text</b>                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8                    | December 30th 14:41                     | Such as a famous domestic university (Medical School) courses in professional English, the first lesson is the English name of knowing the body's major organs and teach basic stem affix in the second quarter. The third section is according to the word-formation knowledge of basic vocabulary, such as peptic ulcer, biliary colic, etc. For clinical medicine speciality, we can also adopt their teaching content. |
| 15                   | December 30th 14:41                     | This course is essential, but it needs to focus on teaching students by aptitude. It is suggested that teachers teach students according to their level, starting from the basic knowledge, step by step, and that the evaluation content is mainly practical. I hope to strengthen the connection with the professional background and make appropriate innovations in the form and content of classroom teaching.        |
| 24                   | December 30th 14:41                     | EMP is a course that requires active participation. If the evaluation is set for each class (the basic score is 60 points), additional or subtracted points can be applied according to the class performance so that the more active students' class performance is, the higher their final score will be. The specific standards of increased and subtracted points are set to promote the enthusiasm of the class.      |