

9. Please list aspects of this course that you found valuable and should be continued:

- As always, Kevin's website is great. Giving the students the ability to watch missed lectures is a really good addition. - The lecture notes are well laid out and contain good content. - I liked the course project. It was interesting and I learned a fair amount. It really tied the course together nicely and brought in some aspects of other courses (like 4N costing) - Kevin is still the best professor Chem Eng has. Whatever you are paying him, pay him more. - The guest lecture on membranes was interesting.

- Slides posted before each lecture - Video of lectures available - Assignments are appropriate length and difficulty, good coverage of material - References provided for further study on course material - No required textbook

-course material was great and interesting

-very interesting course material -demonstrations and guest lectures good

Again the sheer determination of the instructor to make sure that we understand and grasp the concepts of the course instead of just plugging numbers in equations and finding answers that we did not know what they meant...

Assignments are good and should be continued as they are.

Assignments, continued course feedback, asking class which aspects of separation they wish to cover. You are always amazingly prepared for lectures, I really appreciate that. The level of professionalism brought to the classroom is fresh.

course online

Course website has good organization with the exception of announcements. Videotaping lectures and taking pictures of the material written on the board should be continued. Eagerness to improve the course.

Extensive external references provided in addition to lecture material. Practical applications related to the theoretical engineering principle. Audio and video of lecture recorded and posted online. Submission of assignments and project report using Google Docs.

Going through examples in class was helpful. Class notes were clear and very well organised. Mr Dunn took the time and made it easy to get feedback from us throughout the entire term.

Good use of technology

I really liked the flexible grading schemes. Being considerate of our schedules allows us to get more value from the course. If the instructor didn't allow deadline extensions during our busy weeks we would have put less time into the assignments and gotten less value from them.

I think you should stick to your expectation of students. That midterm was fair, but not everyone gets by with critical thinking, but rather plugging and chugging. That was the first midterm I have felt reflected real engineering problems and I think people don't realize it's not as simple as putting numbers in the right equation in industry. Again, thank you for putting in so much time in your courses. I really appreciate it.

Instructor is very helpful and knowledgeable on the topics being covered, and is willing to help you out by moving assignment due dates.

Interesting to see applications of separations in real world. Interesting to see design applications of separations theory for various unit operations.

Kevin is very keen to make the most of our assignments and of class time, and tries his best to ensure that we are satisfied with how things are going. He performed his own informal course evaluations a few weeks into the term, and took several suggestions into action. He is always prompt answering questions and is available for help whenever we need it. His assignments and tests require some critical and independent thought rather than focussing strictly on equation based/plug and play questions. He is a great speaker and is doing a great job teaching. The availability of both lecture slides and videos of the lectures make it easy to catch up on missed classes.

Lecture slides are excellent, taping of lectures appreciated, Friday 'tutorial' lectures are valuable.

Notes were clear and assignments were challenging.

Organization of the professor! He uses technology a lot and it makes easier for everybody. He is very dedicated and encourages us to be analytical and get to know things a lot! The professor records the classes and it's very good!

Posting the lectures online, allowing us to keep the midterm papers,

Posting videos of the lectures was critical to my success in the course. I also found the assignments to be of great value for learning and practising for the test. The final project was a great learning experience and I particularly liked the presentation component - I just wish we had more than 3 minutes each!

Presentation, course project, also allowing students to decide (to a degree) what is to be learnt

Pretty much every aspect of the course was valuable. The written report helped solidify understanding of core concepts relating to a specific unit operation

Recorded lectures were very useful for self paced learning and clearing up misinterpretations. Course was very well structured and conducted!

Small groups to complete assignments was great. Effective way to learn though partial group work.

The instructor was very helpful The instructor was easily accessible and very enthusiastic

The organization of content help understand all the separation processes covered.

The project presentation should be continued as it allows the students to gain more experience presenting.

The teacher accommodates student's busy schedule quite effectively and helps to achieve better outcome.

The teaching approach is good The way that the instructor tested us on the material, based on real life situations and more design-type Video and audio the lecture

Very fair instructor, he is very considerate of his students and always accommodates their needs and concerns.

Video Lectures, online feedback form, time limit{less} tests

Video taping the morning lecture!!! SO IMPORTANT! PLEASE CONTINUE!

10. Please list aspects of this course that might be improved:

- marked assignments did not have many comments on them, it would've been more helpful to see where you went wrong -i think the prof shouldn't take it too personally when students complain a lot (i.e. about the midterm). students will always complain, prof should ignore it or do something about it (bell curves, etc) - prof's insight into industrial applications of separations was interesting

- The feedback on assignments was a little slow.

-very poor time in getting marks back -poor response to student feedback about tests -notes not posted timely and often changed

1. Course could have been way more organized. 2. In the future, try to use two main (books/resources) to compile lecture notes; for student to use if more information/clarification/another perspective is needed. 3. Expectations are high for poorly directed assessments. 4. The course took a lot of time that could have been invested for compulsory courses. We took this course because we were interested in the material and this course had good reputation. 5. Add a tutorial to the class where extra questions are given (unmarked) but are taken up in tutorial.

Course-load is high. It wasn't covered lots of topics I would like to have learned. Some separations units should be more evaluated such as extractors with supercritical fluid. And sedimentation and centrifuges took too long for simple separations. I wish I could have seen more different separations.

Grading faster

have marked material returned faster

I think the course project should be larger, felt like the report was too short as well as the presentation time being too short to be able to include all relevant information.

I think the midterm could have been returned a bit quicker, but I realize you wanted it to be really thoroughly marked given their criticisms and the amount of push back you received. Thank you for doing that fairly.

I would have liked access to more practice problems.

I would have liked to see more videos of the different topics. For example after each unit to have a short clip of how this is used in real life. I will never forget the presentation on membranes because of the demonstration which took very little time to actually perform.

Ideally a more punctual return of the midterm would be appreciated, although people were complaining about how it would be graded. Also, presentations would be better served if they were longer. Potentially bigger groups with longer presentations (taking up the same total amount of class time) would be better as little can be done and evaluated in a 3 minute presentation

Lecture pace can be a little faster to cover all materials planned at the beginning of the term. Midterm should be graded faster.

N/A

None.

Not having it being an 8:30 am class

Not suitable as a morning class. Instructor encourages criticism but gets upset over it.

Organization, new class though so its understandable

Overhauled - too much work, especially considering a majority of the class has 5 other different engineering courses - our other courses should require an equal amount of input, however it was difficult to balance other courses to this one - especially since the material did not overlap with any other the other 4th level chem eng courses.

Place more example questions on-line.

Put more steps in the slides that are solving numerical problems. Sometimes it just jumps from one step to the next with no explanation of certain simplifications. Also, I would say not to test students on presentation material (unless the instructor refers to a few specific presentations). This is because there's a large number of presentations, which will not all be tested on, and I think it would be more valuable to focus on material that was learned in class and specific presentations that tie in with key concepts learned in class.

Sample problems are always helpful. The more the better.

The project with the 3min presentation didn't seem necessary nor added to the course material. Midterms should have been marked and returned a lot sooner than they were. Clarity on questions can be improved.

This course tried to cover alot of different forms of separations, which often left no time to go into topics in more depth. Would be nice if there was a stronger correlation to theory learned in 3M04; Really not sure what I learned in this course that would have required 3M04 to be a per-requisite because of how generalized the concepts were in this course. The project should have been defined earlier in the term. Our version of the ChemEng curriculum doesn't teach alot about unit design until this year, so sizing and doing all the calculations related to this course—although manageable—was difficult to gain a grasp of. Future ChemEng students could benefit to seeing this course taught in earlier years.

This course was a heavy workload compared to other courses. Project was poorly organized and little guidance was available. It was not a good learning experience. Assignments were good, however.

11. Additional Written Comments:

- Some material required for the course project was a bit difficult to find - Project and test should probably be worth a bit more; they required more work and preparation than the assignments

- Thank you Kevin for being understanding of the students time constraints by offering extensions when we need them. It is appreciated and makes the course more of a pleasure rather than a stress.

enjoyable course

Exceptional professor. Very fair in extending deadlines/ cancelling certain assignments so that we have time to do other things. Professor replied to an email 2 hours after I had sent it on thanksgiving night. He should be commended for that because no other professor has that dedication. Very friendly and approachable too.

I understand this is your first time teaching 4M; however, it would have been wiser to keep the material you inherited from previous profs rather than create new ways which needed continuous changes and corrections. Generally, I was not happy with the quality of education we got in 4M. Even though the material was interesting, the way of teaching was not very effective.

Kevin is one of the best professors I have had in university thus far. He is incredibly understanding of our busy schedules and is not hesitant to push things back and it is always extremely helpful. Not too many professors would do this and I am truly grateful for that. Kevin is also extremely approachable and willing to help with any question.

N/A

prof so dedicated

Thank you again Kevin...

Thanks so much for being a super considerate and responsible instructor

The course was extremely valuable. Next to 3G04, it is probably the most useful ChemEng course that I have taken. It was also very well-organized - the course website was far superior to Avenue to Learn. I am looking forward to having more classes with Kevin Dunn.

The course was generally good.

The guest lecture from GE was a good way to introduce the membrane section. Please encourage hard copies of assignments to be handed in rather than google docs (I tried both). For a class such as this it is very helpful to get back circled mistakes or sectioned marks, that were only available in hard copies, so that the material could be better reviewed for correction. All together this was a very good course well put together and informative. Thank you!

Three 8:30 classes in a week of the same course is not good.

tutorial time slots for this course might be useful
