

MY TEACHING PHILOSOPHY STATEMENT

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Having grown up in a low-income family with a high number of dependents, I have been challenging myself to transform and bring a better life to my family. However, earning a university degree seemed to be a wildest dream for me; similar to many people who were not born with privileges in wealth or social status, I intended to give up pursuing education considering the family was financially unstable. Moreover, having poor performances at the early stage of my high school further demotivated me to embrace education. My life started to change after meeting a few high-school teachers who were enthusiastic in teaching and supportive for students' future. With them going extra miles, I surprisingly discovered my strength in science, of which I was not aware before. Understanding my interest in science stream, I passed my high school with high distinction, which then allowed me to continue my post-secondary education in Mechanical Engineering with a full scholarship. This significant transition of mine, despite of my family background, allowed me to realize how vital is education in helping the vulnerable groups and their families to escape from poverty. I vision teachers as candles who consume themselves to light the way for others. After realizing such powerful impacts of education, I also aspired to be a candle that would light up more people through the power of education, just like how I was transformed. Ever since, I have been researching about effective teaching approaches that could benefit the general public while matching my personalities. Emerging from my past life experiences as a vulnerable student and learning from my previous well-respected educators, I identify my three core teaching principles, which retain my motivation in providing engineering education to people, as follows:

1) Encounter Difficulties with Passion

Teaching is not just a profession; it is a passion! Engineering is a complex study, sometimes with a high dropout rate, so facing challenges in engineering studies is unavoidable. Nevertheless, difficulties of students are the reason for me to grow my passionate behavior in teaching, a strength of mine that was observed from my [microteaching](#) training. With my enthusiasm, I aim to progressively build a strong interest among my students in engineering studies as I believe if my students can be influenced to be as passionate as me, they would learn to embrace those challenges. Hence, I take extra steps of introducing additional topics beyond students' syllabi that could cultivate their interest in engineering such as social impacts of engineering studies in their personal lives, software skills in simplifying engineering solutions, or engineering career prospects. Spending additional time in these additional topics undoubtedly require a significant portion of time, and some may argue that it is pointless to spend time in topics outside of students' syllabi. On the contrary, I consider this work as an investment of time, which can only be made with passion. By making additional efforts in establishing students' engineering interest, even it is beyond the scope, students could identify more meaningful purposes to learn engineering. As a result, they are expected to learn their syllabi faster as they appreciate engineering studies better.

To further demonstrate my teaching passion, I aim to establish a more effective engagement in classroom settings that involve a majority of young students. I intend to empower young students and help them discover the power of youth particularly in viewing things from different angles, introducing fresh ideas, and contributing creativity. With this empowerment, young students would see themselves as valuable assets in various organizations without tagging themselves as "the least experience group".

2) Embrace Diversification in Teaching and Learning

It is recognized that students often come from different backgrounds with unique characteristics, so there is no single method that is sufficiently effective for everyone. Understanding each person is unique, I enjoy spending time to research students' individual characteristics in order to advise the most effective strategies for different students to master in a particular subject. Instead of imposing a single

“secret tip” for all students, I tend to help my students to discover their individual diverse learning strategies that suit them the most based on their distinct personalities.

Understanding learning preferences of students vary, which is often affected by student’s diverse backgrounds and cultures, it is crucial for me to diversify my teaching strategies. Students who tend to learn by hand-on experience would likely not appreciate pure direct instructions. Likewise, visual learners would not find it helpful to learn with pure spoken instructions without any written content. Therefore, it is essential for me to create [lesson plans](#) that include a wide range of teaching methods to accommodate various learning preferences. For these reasons, I aim to use well-balanced spoken and written instructions while introducing engineering concepts for the benefits of both visual and auditory learners. Then, I like to discuss some problem sets which are associated to the theories taught. With the aids of laboratory courses, I can further adopt experiential instructions by demonstration of relevant lab equipment to accommodate kinesthetic learners. I also realize engineering theories are closely related to daily life applications, so teaching engineering is a great platform for me to illustrate the relevancy of classroom content in our life. Therefore, adopting my apprenticeship teaching perspective, I take opportunity to include case studies that allow students to learn under interactive instructions while through interactive discussion. A variety of these participatory learning activities would certainly contribute to effective classroom engagement, which enhances teacher-student and student-student communications. With a strong classroom engagement, it is expected to be easier to encourage questions and listen to ideas openly, which further support diversification in teaching.

3) Seek Opportunities for Improvements

Teaching is a continuous process, so it is my commitment to seek feedback and act accordingly. I vision evaluation as a key element to measure my teaching effectiveness and my students’ learning success, so it is my practice to encourage students to participate in [evaluation](#) processes to support my continuous improvement goals. While end-of-term evaluation is helpful to examine my performance, it is also necessary for me to conduct routine mini evaluations throughout the term so that early actions could be taken to fix any identified problems before the end of terms. Besides evaluations, I also strongly embrace [teaching reflections](#) that would trigger transformation. For instance, my teaching reflections have changed my main objective in academic assessment from differentiating students’ performances to providing learning opportunities for students, and therefore I started to adopt formative assessment, which allows me to focus more on providing constructive feedback.

I value continuing education processes and regularly enroll myself in [professional development courses](#) to support my lifelong learning goals and enhance my credibility as an educator. As I connect myself with more educators, who share a similar teaching passion as mine, via these platforms, there would be more opportunities to engage in constructive discussions and idea exchange about successful teaching and learning, which are strong references for me to guide my next action plans.

Closing Remark

I believe successful people do not just focus on personal success, but they help others to succeed as well. Hence, my life would be more meaningful if I could continue to be a candle who utilizes education to light up hope for more people who are hungry for knowledge. It is my vision that education should be treated as a human right, instead of a privilege, where everyone can be given basic education regardless of nationality, ethnicity, gender, religion, sexual orientation, disability status, or socioeconomical status. When I transform people lives through education, these people could also spread the light to others one day and contribute to their societies and countries. With this inspiring mission, changing the world to a better place to live, under the shadow of education, would certainly be possible!