

SLP's Book Prize

- An Appreciation Note from Temasek Polytechnic

Temasek Polytechnic's Diploma in Chemical Engineering aims to prepare students for work in the chemical industry. Often we are reminded through reported industrial accidents of how paramount SHE (safety, health & environment) is to the chemical industry; lapses in any of the SHE elements can lead to losses and disruptions.

The course has a comprehensive range of safety programmes where we aim to inculcate good SHE knowledge and practices to our students. Occupational Safety & Health (OSH, ACE2009), a 60-hour subject is taught in the students' 2nd year of studies. This subject aims to impart to the students the awareness of the various dangers that exists in the workplace and methods of protection against such dangers. Such knowledge will equip the students with the necessary knowledge to enable them to work in a safe and efficient manner in their future workplaces. OSH also aims to give students the understanding of the many issues concerning occupational health. It provides the students with the knowledge of the various terms commonly used in occupational health (PEL, LD50, PET, etc.) and various occupational diseases with regard to the recognition, evaluation and control of hazards. Hands-on experience with necessary tools such as gas meter, heat-stress index monitoring equipment, noise meter, etc. are provided to ensure a students' achieved a holistic education. Topics taught in OSH include: Machine Hazards & Safety; Electrical Hazards; Fires/Explosions; Housekeeping and Material Handling/Labeling; PPE; Work Permit System/Confined Space; Heat Stress; Ventilation; Noise; Industrial Lighting.

Plant Safety & Loss Prevention (PSLP, ACE3004) is a 60-hour subject. It provides a deeper understanding of principles and knowledge of process safety and loss prevention in the industrial setting. Advanced safety matters such as safety management system, hazard identification, risk assessment, risk management, hazard analysis, safety audit, etc. are taught. Students are also taught the important legislations (Workplace Safety & Health Act, Workmen Injury & Compensation Act, etc.) that govern the workplace safety. Topics taught in PSLP include: Safety Programs & Accident/Loss Statistics; Hazard Identification and Risk Assessment in Industries; Plant Safety & Loss Prevention Management; Accident Investigation and Safety Legislation.

Complementing these safety modules, the students also attended a course-level Safety Seminar. Speakers from the industries (SLP, MOM, PCS; Chevron, etc.) are invited to share the safety practices in their respective companies/industries as well as the latest development in the field of SHE.

Our students progressed on to apply their SHE knowledge when they enrolled for their 16-week industry attachment in their final year of studies. Starting in the Chemical Process Training Centre (CPTC) in Jurong Island where the students learn to operate chemical plant in a safe manner, some of the students moved on to assist their company on safety matter.

The SLP Book Prize is awarded to the overall top performing student for the subject of OSH (ACE2009) and PSLP (ACE3004). In Graduation 2010, Debbie Teo Jia Ling was the recipient of inaugural SLP Book Prize. We are thankful for SLP's support and hope that the award will encourage all our students to uphold the SHE values when they enter the workforce.

Anthony

