Course: AIST2601  Course ID: 013199  Eff Date: 2022-07-01  Crse Status: Active  Apprv. Status: Approved

This course teaches the following topics: the impact of technology on society; introduction to engineering as a profession (different engineering fields, professional societies and registration, soft skills for working in a team; engineering design and innovation; introduction to intellectual property (copyright, trademarks, registered design and patents); engineering project management; product safety; professional ethics; liability and responsibility; workplace safety; environmental impact and market requirements; case studies and experience sharing from industry; global energy policies and standards.

Grade Descriptor: A

EXCELLENT – exceptionally good performance and far exceeding expectation in all or most of the course learning outcomes; demonstration of superior understanding of the subject matter, the ability to analyze problems and apply extensive knowledge, and skillful use of concepts and materials to derive proper solutions.

B

GOOD – good performance in all course learning outcomes and exceeding expectation in some of them; demonstration of good understanding of the subject matter and the ability to use proper concepts and materials to solve most of the problems encountered.

C

FAIR – adequate performance and meeting expectation in all course learning outcomes; demonstration of adequate understanding of the subject matter and the ability to solve simple problems.

D

有關等級說明的資料，請參閱英文版本。
MARGINAL - performance barely meets the expectation in the essential course learning outcomes; demonstration of partial understanding of the subject matter and the ability to solve simple problems.

F

FAILURE - performance does not meet the expectation in the essential course learning outcomes; demonstration of serious deficiencies and the need to retake the course.

Equivalent Offering:
Units: 2 (Min) / 2 (Max) / 2 (Acad Progress)
Grading Basis: Graded
Repeat for Credit: N
Multiple Enroll: N
Course Attributes:

Topics:

COURSE OUTCOMES

Learning Outcomes:
At the end of the course of studies, students will have acquired the ability to
1. examine the impact of technology on the society and the environment
2. recognise the contributions of engineers to the society
3. appreciate the design and innovation aspects of engineering profession
4. acquire the skills and tools to manage engineering projects
5. learn the skills for working in a team
6. understand the value of being an ethical engineer and a responsible citizen

Course Syllabus:
This course teaches the following topics: the impact of technology on society; introduction to engineering as a profession (different engineering fields, professional societies and registration, soft skills for working in a team); engineering design and innovation; introduction to intellectual property (copyright, trademarks, registered design and patents); engineering project management; product safety; professional ethics; liability and
responsibility; workplace safety; environmental impact and market requirements; case studies and experience sharing from industry; global energy policies and standards.

**Assessment Type:**

- Essays: 25%
- Presentation: 25%
- Short answer test or exam: 50%

**Feedback for Evaluation:**

1. CTE: course questionnaire filled by students
2. Reflection of teachers
3. Discussions (in-class, out-class and online) between students and teachers
4. Department student-staff tea gatherings
5. Department SSCC

**Required Readings:**


**Recommended Readings:**

**OFFERINGS**

1. AIST2601

**COMPONENTS**

- LEC: Size=50; Final Exam=Y; Contact=2

**ENROLMENT REQUIREMENTS**

1. AIST2601

**Enrollment Requirement Group:**

Not for students who have taken CSCI3250 or CSCI3251 or ENGG2601 or ENGG2602.

**New Enrollment Requirement(s):**

- Exclusion = no change
CAF

- eLearning hrs for blended cls: 0
- No. of micro-modules: 0
- Research components (UG): 0%
- University theme/priority: Global Citizenship & Social Enterprisingness

(END OF REPORT>