**Report on Outcome Assessment**

|  |  |
| --- | --- |
| Programme: | **BEng (Hons) in Aviation Engineering (48402)** |
| Academic Year: | **2022-23 (Semester Two)** |
| Subject: | **ENG3004 Society and the Engineer** |
| Subject Lecturer: | **Prof. LAU, Pak-tao Alan, Dr GU, Weihua, Dr FUNG, Yu-fai** |

1. **Programme Learning Outcomes planned to be achieved by using the subject:**

|  |  |  |
| --- | --- | --- |
| **Intended Subject Learning Outcome (SLO)**  **(extracted from the subject description form)** | **Matching PLO** | **Programme Learning Outcomes (PLOs) to be Measured**  (please refer to the LOAP for the programme) |
| 1. Appreciate the historical context of modern technology and the nature of the process whereby technology develops and the relationship between technology and the environment, as well as the implied social costs and benefits. | POW(a)  POW(e) | POW(a): To have knowledge of contemporary issues and the broad education necessary to understand the impact of engineering solutions in a global and societal context.  POW(c): To understand professional, ethical and social responsibility.  POW(e): To recognize the need to engage in life-long learning. |
| 1. Understand the social, political, legal, and economic responsibilities and accountability of the engineering profession and the organizational activities of professional engineering institutions. | POW(c)  POW(e) |
| 1. Be aware of the short-term and long-term effects related to safety and health, and the environmental impacts of technology. | POW(a) |
| 1. Observe professional conduct, as well as the legal and other applicable constraints, related to various engineering issues. | POW(c) |
| 1. Develop a strong vision to optimize their contribution to sustainable development. | POW(c) |

1. **Components applied to assess achievement of Programme Learning Outcomes:**

| **Programme Learning Outcome to be achieved** | **Assessment Component Applied** | **Criteria for Success** | **Outcome** | **Remarks** |
| --- | --- | --- | --- | --- |
| POW(a): To have knowledge of contemporary issues and the broad education necessary to understand the impact of engineering solutions in a global and societal context. | 1. **Weekly learning activities** 2. **Individual assignments** 3. **Final presentation, report, and individual reflection** 4. **Take-home assignment Q1, Q2** | 1. **80% of students rated >=50% (Satisfactory or above)** 2. **80% of students rated >=50% (Satisfactory or above)** 3. **80% of students rated >=50% (Satisfactory or above)** 4. **80% of students rated >=50% (Satisfactory or above)** | 1. **48/50 = 96%** 2. **46/50 = 92%** 3. **50/50 = 100%** 4. **48/50 = 96%** |  |
| POW(c): To understand professional, ethical and social responsibility. | 1. **Weekly learning activities** 2. **Individual assignments** 3. **Final presentation, report, and individual reflection** 4. **Take-home assignment Q1, Q2** | 1. **80% of students rated >=50% (Satisfactory or above)** 2. **80% of students rated >=50% (Satisfactory or above)** 3. **80% of students rated >=50% (Satisfactory or above)** 4. **80% of students rated >=50% (Satisfactory or above)** | 1. **48/50 = 96%** 2. **46/50 = 92%** 3. **50/50 = 100%** 4. **48/50 = 96%** |  |
| POW(e): To recognize the need to engage in life-long learning. | 1. **Final presentation, report, and individual reflection** | 1. **80% of students rated >=50% (Satisfactory or above)** | 1. **50/50 = 100%** |  |

1. **Observations and Suggestions:**

[Completed by the Subject Co-ordinator/Subject Lecturer]

The students have all been doing very well in all the three related PLOs. The students have done slightly worse in Individual Assignments, and better in presentation, report, and individual reflect statements.