

## Bachelor of Engineering (Honours) Mechanical Engineering - Awarded by Northumbria University, UK

| <u>No.</u> | <u>Module</u>  | <u>Lecturer</u>           | <u>Highest Qualification</u>                           | <u>University</u>                | <u>Full-time / Part-time</u> |
|------------|--|---------------------------|--|----------------------------------|------------------------------|
| 1.         | Introductory Mechanics                                 | Dr Yew Yong Kin           | Doctor of Philosophy                                   | National University of Singapore | PT                           |
|            |  | Dr Teh Yong Liang         | Doctor of Philosophy                                   | Nanyang Technological University | PT                           |
| 2.         | Energy and Environment                                 | Dr Kang Kok Hin           | Doctor of Philosophy                                   | National University of Singapore | PT                           |
|            |  | Dr William Yeung Wai Hung | Doctor of Philosophy                                   | University of British Columbia   | PT                           |
| 3.         | Design   | Dr Tan Kim Piew           | Doctor of Philosophy                                   | University of Sheffield          | FT                           |
|            |  | Ng Mun Seng               | Master of Science (Industrial and Systems Engineering) | National University of Singapore | PT                           |
| 4.         | Materials and Manufacture                              | Koh Thong Boon            | Master of Engineering                                  | Nanyang Technological University | PT                           |
|            |  | Dr Yew Yong Kin           | Doctor of Philosophy                                   | National University of Singapore | PT                           |
| 5.         | Engineering Skills in Experimentation and Presentation | David Leong Tuk Wai       | Master of Telecommunications Engineering               | University of Melbourne          | FT                           |
|            |  | Koh Thong Boon            | Master of Engineering                                  | Nanyang Technological University | PT                           |
| 6.         | Engineering Mathematics                                | Dr William Yeung Wai Hung | Doctor of Philosophy                                   | University of British Columbia   | PT                           |
|            |  | Anitha Pissay             | Master of Science (Statistics)                         | National University of Singapore | PT                           |
| 7.         | Applied Mechanics                                      | Dr Yew Yong Kin           | Doctor of Philosophy                                   | National University of Singapore | PT                           |
|            |  | Dr Teh Yong Liang         | Doctor of Philosophy                                   | Nanyang Technological University | PT                           |
| 8.         | Energy Conversion Systems                              | Dr Teh Yong Liang         | Doctor of Philosophy                                   | Nanyang Technological University | PT                           |
|            |  | Dr William Yeung Wai Hung | Doctor of Philosophy                                   | University of British Columbia   | PT                           |
| 9.         | Computer Modelling and Design                          | Dr Tan Kim Piew           | Doctor of Philosophy                                   | University of Sheffield          | FT                           |
|            |  | Dr Yew Yong Kin           | Doctor of Philosophy                                   | National University of Singapore | PT                           |
| 10.        | Manufacturing Technology                               | Koh Thong Boon            | Master of Engineering                                  | Nanyang Technological University | PT                           |
|            |  | Dr Yew Yong Kin           | Doctor of Philosophy                                   | National University of Singapore | PT                           |

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|-----|---|---------------------------|--|----------------------------------|----|
| 11. | Engineering Economics and Professional Skills | Dr Kang Kok Hin           | Doctor of Philosophy                                   | National University of Singapore | PT |
|     |   | Dr Siew Ngung Chia        | Doctor of Business Administration                      | University of Newcastle          | PT |
| 12. | Further Engineering Mathematics               | Dr William Yeung Wai Hung | Doctor of Philosophy                                   | University of British Columbia   | PT |
|     |   | Anitha Pissay             | Master of Science (Statistics)                         | National University of Singapore | PT |
| 13. | Advanced Mechanics                            | Dr Yew Yong Kin           | Doctor of Philosophy                                   | National University of Singapore | PT |
|     |   | Dr Teh Yong Liang         | Doctor of Philosophy                                   | Nanyang Technological University | PT |
| 14. | Energy Management and Efficiency              | Dr Kang Kok Hin           | Doctor of Philosophy                                   | National University of Singapore | PT |
|     |   | Dr William Yeung Wai Hung | Doctor of Philosophy                                   | University of British Columbia   | PT |
| 15. | Design for "X"                                | Dr Tan Kim Piew           | Doctor of Philosophy                                   | University of Sheffield          | FT |
|     |   | Koh Thong Boon            | Master of Engineering                                  | Nanyang Technological University | PT |
| 16. | Investigative Project                         | Dr Tan Kim Piew           | Doctor of Philosophy                                   | University of Sheffield          | FT |
| 17. | Digital Product Design and Analysis (Option)  | Dr Teh Yong Liang         | Doctor of Philosophy                                   | Nanyang Technological University | PT |
|     |   | Ng Mun Seng               | Master of Science (Industrial and Systems Engineering) | National University of Singapore | PT |
| 18. | Renewable Energy Technology (Option)          | Dr William Yeung Wai Hung | Doctor of Philosophy                                   | University of British Columbia   | PT |
|     |   | Dr Kang Kok Hin           | Doctor of Philosophy                                   | National University of Singapore | PT |