

List of Subjects Offered to Exchange/Study Abroad Students for Semester 1 (Fall) 2019/20

Department of Electrical Engineering

| Subject Code<br>(Please insert<br>hyperlink to the<br>subject syllabi) | Subject Name   | Credits | Eligible Student Type<br>[see *] | Limitation<br>[see **] | Eligible<br>Student<br>(Year 1)<br>(Y/N) | Eligible<br>Student<br>(Year 2)<br>(Y/N) | Eligible<br>Student<br>(Year 3)<br>(Y/N) | Eligible<br>Student<br>(Year 4 or<br>above)<br>(Y/N) |
|--|--|---------|----------------------------------|------------------------|--|--|--|--|
| <b>BEng(Hons) in Electrical Engineering [41470]</b>                    |  |         |                                  |                        |  |  |  |  |
| <a href="#">EE2001A</a>  | Applied Electromagnetics                                   | 3       | Dept                             | 41470                  | N  | Y  | N  | N  |
| <a href="#">EE2002A</a>  | Circuit Analysis   | 3       | Dept                             | 41470                  | N  | Y  | N  | N  |
| <a href="#">EE3001A</a>  | Analogue and Digital Circuits                              | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE3003A</a>  | Power Electronics and Drives                               | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE3005A</a>  | Systems and Control  | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE3007A</a>  | Computer System Principles                                 | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE3008A</a>  | Linear Systems and Signal Processing                       | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE4003A</a>  | Electrical Machines  | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE4004A</a>  | Power Systems  | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE4007A</a>  | Advanced Power Electronics                                 | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <a href="#">EE4014A</a>  | Intelligent Systems Applications in Electrical Engineering | 3       | Dept                             | 41470                  | N  | N  | Y  | Y  |
| <b>BEng (Hons) in Transportation Systems Engineering [41481]</b>       |  |         |                                  |                        |  |  |  |  |
| <a href="#">EE2001B</a>  | Applied Electromagnetics                                   | 3       | Dept                             | 41481                  | N  | Y  | N  | N  |
| <a href="#">EE2002B</a>  | Circuit Analysis   | 3       | Dept                             | 41481                  | N  | Y  | N  | N  |
| <a href="#">EE2029B</a>  | Transportation Engineering Fundamentals                    | 3       | Dept                             | 41481                  | N  | Y  | N  | N  |
| <a href="#">EE3003B</a>  | Power Electronics and Drives                               | 3       | Dept                             | 41481                  | N  | N  | Y  | Y  |
| <a href="#">EE3011B</a>  | Control Systems and Signal Processing                      | 3       | Dept                             | 41481                  | N  | N  | Y  | Y  |
| <a href="#">EE4004B</a>  | Power Systems  | 3       | Dept                             | 41481                  | N  | N  | Y  | Y  |
| <a href="#">EE4007B</a>  | Advanced Power Electronics                                 | 3       | Dept                             | 41481                  | N  | N  | Y  | Y  |
| <a href="#">EE4014B</a>  | Intelligent Systems Applications in Electrical Engineering | 3       | Dept                             | 41481                  | N  | N  | Y  | Y  |

Remarks:

\* Eligible Student Type

'ALL' = open to all exchange/ study abroad students including those admitted to other departments

'Dept' = open to exchange/ study abroad students who are admitted to this department only

\*\* Limitation

'N/A' = open to all exchange/ study abroad students

'(programme code and/or stream code)' = only open to exchange/study abroad students who are enrolled in specific discipline/stream/programm