## Studies Plan

### EDEY - Energy 2019-20

#### Core courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Exam</th>
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</thead>
</table>
| **Biomass conversion**  
(Next time: September 2nd to 6th, 2019) | E | ENG-618 | EDEY | Maréchal  
Viana  
Ensinas | Project report | 2 |
| **Energy planning: modeling and decision support systems**  
(Next time: June 2020) | E | CIVIL-603 | EDEY | Gnansounou | Project report | 3 |
| **Field-Based Insights into the Implementation of Renewable Energies (Summer School Mont-Soleil)**  
(From August 12th to 17th, 2019) | E | ENG-634 | EDEY | Dujic  
Paolone  
Rufer  
Various lecturers | Project report | 2 |
| **Frederic Joliot/Otto Hahn Summer School on nuclear reactors Physics, fuels and systems**  
(Next time: thank you to check the course website http://www.fjohss.eu/) | E | PHYS-600 | EDEY | Pautz  
Various lecturers | Oral | 3 |
| **Modelling, optimisation, design and analysis of integrated energy systems**  
(Next time: December 9th to 13th, 2019) | E | ME-602 | EDEY | Maréchal | Multiple | 2 |
| **NRG2019: Energy Systems: managing the transition to renewables**  
(Next time: Summer 2021) | E | ENG-636 | EDEY | Ballif  
Maréchal  
Various lecturers | Written | 2 |
| **Solar photovoltaics and energy systems**  
(next time Spring 2020) | E | ChE-600 | EDEY | Guijarro  
Carratala  
Sivula  
Tress | Multiple | 2 |
| **Transient and dynamic analysis of electric power systems**  
(Next time: September 18th to December 11th, 2019) | E | EE-603 | EDEY | Cherkaoui  
Rachidi-Haert | Written | 3 |

#### Other doctoral courses (EDOC)

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| **Advanced Methods for Model Identification**  
(Next time: Fall 2019) | E | EE-607 | EDEE | Frigo  
Paolone | Project report | 4 |
| **Challenges and Opportunities in Energy Research**  
(Next time Spring 2020) | E | ChE-803 | EDCH | Buonsanti  
Various lecturers | Written & Oral | 2 |
| **Design of experiments (a) - Fall semester**  
(Block course Fall 2019 (including a 2 days optional pre-course on Matlab)) | E | ENG-606(a) | EDRS | Fuerbringer | Project report | 4 |

Design of experiments (c) - Spring semester
(Block course Spring 2020 (including a 2 days optional pre-course on Matlab))

<table>
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<tr>
<td>ENG-606(c)</td>
<td>E</td>
<td>EDRS</td>
<td>Fuerbringer</td>
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Master courses (.)

<table>
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<th>Exam</th>
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<tbody>
<tr>
<td>Life cycle assessment in energy systems</td>
<td>E</td>
<td>ENV-510</td>
<td>Margni</td>
<td>Written</td>
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<tr>
<td>(MA3 only)</td>
<td></td>
<td>SIE</td>
<td>Maréchal</td>
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