

| University                           | Country  | Course name   | Credits | Professor  | Link to Syllabus  | Additional information   | Specific requirements for participation  | Course beginning/end dates |
|--------------------------------------|----------|---|---------|--|---|--|--|----------------------------|
| Aalto University                     | Finland  | Circular Economy for Energy Storage                         | 5       | Samuel Cross and Annukka Santasalo   | <a href="https://mycourses.aalto.fi/course/view.php?id=27703#section-0">https://mycourses.aalto.fi/course/view.php?id=27703#section-0</a>   |  | none   | 07/09 - 18/10/2020         |
| Grenoble INP                         | France   | Microgrids, Smartgrids and Supergrids: optimization         | 1       | Ahmad Hably  | <a href="https://ense3.grenoble-inp.fr/en/academics/microgrids-smartgrids-and-supergrids-5eus5sma-1-:Caution:part-omptimization-only">https://ense3.grenoble-inp.fr/en/academics/microgrids-smartgrids-and-supergrids-5eus5sma-1-:Caution:part-omptimization-only</a>   | 10h00 Course - 4 Hours Simulation  |  | 06/11 - 18/12/2020         |
| Grenoble INP                         | France   | Machine learning and Optimization                           | 2,5     | Ahmad Hably  |   | 16h00 Course - 14h00 Simulation  |  | 09/09/2020 - 26/01/2021    |
| Grenoble INP                         | France   | Power System and Markets                                    | 2       | Raphael Caire  |   | 6h00 Course - 12h00 Simulation   |  | 10/09 - 30/11/2020         |
| Grenoble INP                         | France   | Design Models For Power Electronics                         | 5       | Jean-Luc Schanen, Yvan Avenas, Herve Chazal                                    |   | 12h00 project on passives - 8h00 Course - 8h00 simulations Thermal design<br>8h00 Course - 8h00 simulation on EMC design - 16h00 project |  | 25/09/2020 - 22/01/2021    |
| Grenoble INP                         | France   | Nuclear Reactor kinetics and Dynamics                       | 2,5     | Pablo Rubiolo  | <a href="https://phelma.grenoble-inp.fr/en/studies/reactor-kinetics-dynamics-5pmgciro">https://phelma.grenoble-inp.fr/en/studies/reactor-kinetics-dynamics-5pmgciro</a>   | 15h00 Lecture - 15h00 Tutorials  |  | 08/09 - 08/12/2020         |
| Grenoble INP                         | France   | Nuclear Fuels   | 1,5     | Pablo Rubiolo  | <a href="https://phelma.grenoble-inp.fr/en/studies/nuclear-fuel-5pmgcbn1">https://phelma.grenoble-inp.fr/en/studies/nuclear-fuel-5pmgcbn1</a>   | 10h00 Lecture - 10h00 Tutorials  |  | 28/09 - 03/11/2020         |
| Grenoble INP                         | France   | Molten Salts Technology for Nuclear and Renewables Energies | 0,5     | Pablo Rubiolo  | <a href="https://phelma.grenoble-inp.fr/en/studies/molten-salt-reactors-wpmumolo">https://phelma.grenoble-inp.fr/en/studies/molten-salt-reactors-wpmumolo</a>   | 2h00 Lecture - 2h00 Tutorials - 4h00 Laboratory work   |  | tba                        |
| Instituto Superior Tecnico - ULisboa | Portugal | Energy Storage  | 6       | Fátima Montemor  | <a href="https://fenix.tecnico.ulisboa.pt/disciplinas/AEne9577/2020-2021/1-semester/pagina-inicial">https://fenix.tecnico.ulisboa.pt/disciplinas/AEne9577/2020-2021/1-semester/pagina-inicial</a>   |  | none   | 21/09 - 18/12/2020         |
| Instituto Superior Tecnico - ULisboa | Portugal | Energy Management   | 4,5     | Carlos Augusto Santos Silva; Fernanda Maria Ramos da Cruz Margarido            | <a href="https://fenix.tecnico.ulisboa.pt/disciplinas/GEn5179577/2020-2021/1-semester">https://fenix.tecnico.ulisboa.pt/disciplinas/GEn5179577/2020-2021/1-semester</a>   |  | none   | 21/09 - 18/12/2020         |
| Instituto Superior Tecnico - ULisboa | Portugal | Solar Thermal Energy  | 6       | Carlos Augusto Santos Silva; Luís Filipe Moreira Mendes                        | <a href="https://fenix.tecnico.ulisboa.pt/disciplinas/EST977/2020-2021/1-semester">https://fenix.tecnico.ulisboa.pt/disciplinas/EST977/2020-2021/1-semester</a>   |  | none   | 21/09 - 18/12/2020         |
| Instituto Superior Tecnico - ULisboa | Portugal | Biofuels  | 6       | Maria Joana Castelo-Branco de Assis Teixeira Neiva Correia                     | <a href="https://fenix.tecnico.ulisboa.pt/disciplinas/Bioc25179577/2020-2021/1-semester">https://fenix.tecnico.ulisboa.pt/disciplinas/Bioc25179577/2020-2021/1-semester</a>   |  | none   | 21/09 - 18/12/2020         |
| Instituto Superior Tecnico - ULisboa | Portugal | Hydropower  | 6       | Helena Margarida Machado da Silva Ramos; Rodrigo Proença de Oliveira           | <a href="https://fenix.tecnico.ulisboa.pt/disciplinas/Hidro25179577/2020-2021/1-semester">https://fenix.tecnico.ulisboa.pt/disciplinas/Hidro25179577/2020-2021/1-semester</a>   |  | none   | 21/09 - 18/12/2020         |
| Instituto Superior Tecnico - ULisboa | Portugal | Offshore Wind Energy  | 6       | Ricardo Balbino Santos Pereira; João Carlos de Campos Henriques; João Baltazar | <a href="https://fenix.tecnico.ulisboa.pt/disciplinas/EEO13264/2019-2020/2-semester">https://fenix.tecnico.ulisboa.pt/disciplinas/EEO13264/2019-2020/2-semester</a>   |  | none   | 21/09 - 18/12/2020         |
| KTH Royal Institute of Technology    | Sweden   | Courses will be offered on the second semester              |         |  |   |  |  |                            |
| TU Darmstadt                         | Germany  | Chemistry for Energy Scientists and Engineers               | 5       | Barbara Albert   |   |  | none   | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Electrochemistry for Energy Applications II                 | 4       | Jan Philipp Hofmann  | <a href="https://www.mawi.tu-darmstadt.de/of/studium_of/of_vorlesungen/index.en.jsp">https://www.mawi.tu-darmstadt.de/of/studium_of/of_vorlesungen/index.en.jsp</a>   |  | recommended: modules (or equivalent knowledge) "Surfaces and Interfaces", "Quantum Mechanics for Materials Science" and "Electrochemistry in Energy Applications I: Converter Devices" | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Energy Finance  | 3       | Dirk Schiereck   | <a href="https://www.cofi.wi.tu-darmstadt.de/lehre_cofi/lehveranstaltungen_cofi_1/energy_finance_cofi/enfi_cofi.en.jsp">https://www.cofi.wi.tu-darmstadt.de/lehre_cofi/lehveranstaltungen_cofi_1/energy_finance_cofi/enfi_cofi.en.jsp</a>   |  | none   | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Energy Technologies in Civil Engineering and Architecture   | 5       | Anett Joppien  | <a href="https://www.wasserbau.tu-darmstadt.de/wasserbau/stud/lehveranstaltungen_1/sommersemester_1/basismodul/etca/ETCA.de.jsp">https://www.wasserbau.tu-darmstadt.de/wasserbau/stud/lehveranstaltungen_1/sommersemester_1/basismodul/etca/ETCA.de.jsp</a>   |  | none   | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Materials Science for Renewable Energy Systems              | 5       | Oliver Gutfleisch  | <a href="https://www.mawi.tu-darmstadt.de/fm/funktionale_materialien/teaching_1/vorlesungen_10/index_3.en.jsp">https://www.mawi.tu-darmstadt.de/fm/funktionale_materialien/teaching_1/vorlesungen_10/index_3.en.jsp</a><br><a href="https://www.mawi.tu-darmstadt.de/of/studium_of/of_vorlesungen/index.en.jsp">https://www.mawi.tu-darmstadt.de/of/studium_of/of_vorlesungen/index.en.jsp</a>  |  | none   | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Renewable Energies, Energy scenarios and Climate protection | 5       | Liselotte Schebek  | <a href="https://www.iwar.tu-darmstadt.de/sur/fg_sr/lehre_sr/lehveranstaltungen_in_den_studiengaengen_umweltung_enieurwissenschaften_und_bauingenieurwesen/wintersemester_sr/vi_renewable_energies_energy_scenarios_and_climate_protection_sr/index.en.jsp">https://www.iwar.tu-darmstadt.de/sur/fg_sr/lehre_sr/lehveranstaltungen_in_den_studiengaengen_umweltung_enieurwissenschaften_und_bauingenieurwesen/wintersemester_sr/vi_renewable_energies_energy_scenarios_and_climate_protection_sr/index.en.jsp</a> |  | none   | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Functional Materials  | 6       | Oliver Gutfleisch  | <a href="https://www.mawi.tu-darmstadt.de/fm/funktionale_materialien/teaching_1/vorlesungen_10/index_3.en.jsp">https://www.mawi.tu-darmstadt.de/fm/funktionale_materialien/teaching_1/vorlesungen_10/index_3.en.jsp</a>   |  | recommended: good knowledge of Materials Science I-VI (Bachelor course), knowledge of basic solid state physics  | 02/11/2020 - 12/02/2021    |
| TU Darmstadt                         | Germany  | Semiconductor Interfaces                                    | 4       | Andreas Klein  |   |  | recommended: fundamentals of solid state physics   | 02/11/2020 - 12/02/2021    |
| Universitat Politècnica de Catalunya | Spain    | Courses will be offered on the second semester              |         |  |   |  |  |                            |