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| **DEPARTMENT OF ENERGY SYSTEMS ENGINEERING****Course Pool of PhD Degree in Energy Systems Engineering with Thesis**  |
| **COURSE****CODE** | **COURSE NAME** | **CREDIT** | **ECTS** | **C / S** | **INSTRUCTOR** |
| ESM801 | Momentum, Heat and Mass Transfer | 3-0-0 | 8 | S | Prof. Dr. Ziyaddin RECEBLİ |
| ESM802 | Analytical Methods of Engineering | 3-0-0 | 8 | S | Assist. Prof. Dr. Özgür İNANÇ |
| ESM803 | New and Renewable Energy Technology | 3-0-0 | 8 | S | Prof. Dr. Muhammet KAYFEECİ |
| ESM805 | Exergy Analysis of Energy Systems | 3-0-0 | 8 | S | Prof. Dr. Mehmet ÖZKAYMAK |
| ESM809 | Energy Conservation and Efficiency | 3-0-0 | 8 | S | Prof. Dr. Mehmet ÖZKAYMAK |
| ESM811 | Energy Management Of Industry | 3-0-0 | 8 | S | Assist. Prof. Dr. Mehmet Volkan AKSAY |
| ESM813 | Drying Technologies | 3-0-0 | 8 | S | Prof. Dr. İlhan CEYLAN |
| ESM815 | Fuel Cells and Electricity Production  | 3-0-0 | 8 | S | Prof. Dr. Muhammet KAYFECİ |
| ESM817 | Measurement and Data Acquisition | 3-0-0 | 8 | S | Prof. Dr. Muhammet KAYFECİ |
| ESM819 | Rheology | 3-0-0 | 8 | S | Prof. Dr. Ziyaddin RECEBLİ |
| ESM822 | Design Of Solar Powered Systems | 3-0-0 | 8  | S | Prof. Dr. İlhan CEYLAN |
| ESM823 | Analogy and Model Theory | 3-0-0 | 8 | S | Prof. Dr. Ziyaddin RECEBLİ |
| ESM896 | PhD Qualification | 0-1-0 | 26 | C | All Faculty Members in the Program |
| ESM897 | PhD Seminar | 0-2-0 | 6 | C | All Faculty Members in the Program |
| ESM8098D | Course Field of Specialization | 4-0-0 | 4 | C | All Faculty Members in the Program |
| ESM8098T | Thesis Field of Specialization | 4-0-0 | 4 | C | All Faculty Members in the Program |
| ESM899 | PhD Thesis Research | 0-1-0 | 26 | C | All Faculty Members in the Program |
| LUEE801 | Scientific Research Techniques and Scientific Ethics | 3-0-0 | 8 | C | Assoc. Prof. Dr. Alper ERGÜN |
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