**ELG4125:** Task 5 (Developing a Wind Farm for Power Generation)

Introduction

|  |
| --- |
|  |

Location and Wind Assessment

|  |
| --- |
|  |

Wind Farm Design

|  |
| --- |
|  |

Wind Turbine Selection, Sizing, and Specifications

|  |
| --- |
|  |

Capacity Factor and Power Calculations

|  |
| --- |
|  |

Cable and Transformer Selection

|  |
| --- |
|  |

Protection Requirements

|  |
| --- |
|  |

Economical and Financial Analysis

|  |
| --- |
|  |

Grid Connection and Wind Energy Related Standards

|  |
| --- |
|  |