Enduring Understandings	Learning Objectives	Essential Knowledge
(Students will understand that...)	(Students will be able to...)	(Students will know that...)
EU 4.2: A function can be represented ban associated power series over the interval of convergence for the power series.	**LO 4.2A:** Construct and use Taylor polynomials.	**EK 4.2A1:** The coefficient of the *n*th-degree term in a Taylor polynomial centered at $x = a$ for the function f is $\frac{f^{(n)}(a)}{n!}$. **EK 4.2A2:** Taylor polynomials for a function f centered at $x = a$ can be used to approximate function values of f near $x = a$. **EK 4.2A3:** In many cases, as the degree of a Taylor polynomial increase, the nth-degree polynomial will converge to the original function over some interval. **EK 4.2A4:** The Lagrange error bound can be used to bound the error of a Taylor polynomial approximation to a function.