Expectation checklist - Module 13

At the completion of this module, you should:

- Be able to find the general solution for 2nd-order homogeneous linear differential equations with constant coefficients such that the nonhomogeneous term consists of:
  - a polynomial of degree k;
  - a sum of $\sin(x)$ and/or $\cos(x)$;
  - of the form $x^k e^{mx}$; or
  - a combination of the above terms.

Coming up next, we:

- Solve some nonhomogeneous linear differential equations of a different form, and with a different method, than those seen here.