- 1. Eigenvalue problems
 - Solve eigenvalue problems, probably non-homogeneous;
 - Properties of eigenvalues, eigenfunctions;
 - Self-adjoint operator;
- 2. 1D heat condunction equation, probably non-homogeneous;
- 3. 1D wave equation, probably non-homogeneous; Two methods for solving homogeneous wave equations;
- 4. 1D Laplace equation on a rectangle, probably non-homogeneous;