MATH 4140/5140. HOMEWORK 5
Due Wednesday, February 23

Note: All numbered exercises are from Erdmann–Holm ([EH]).

(1) Read Chapter 2 of [EH] again (you can ignore §2.5.2 for now).
Make sure you understand all the examples and can state all the
theorems on your own.

(2) Parts (i), (ii) and (iii) of Exercise 2.12.

(3) Exercise 2.15.

(4) Exercise 2.21. For Part (c), you can ignore the first part (expressing
the modules as representations of the quiver Q). In other words,
just answer the question about whether the modules are isomorphic
and justify your answer.

(5) Exercise 2.22.