The approach is a modification of that in Soergel's initial paper, [S], cf. Dmytro's lectures at [O]. The existence of Hom's between Vermas used in Sec 1.3 is proved in [H, §4.7]. Reflexive modules are treated in [St, Section 15.24].

References

[H] J. Humphreys, *Representations of semisimple Lie algebras in the BGG category O*. Grad. Stud. Math., 94. AMS, Providence, RI, 2008. xvi+289 pp.

[O] Learning seminar on category O, https://ivanloseu.github.io/O.html.

[S] W. Soergel, *Kategorie O, perverse Garben und Moduln über den Koinvarianten zur Weylgruppe*. J. Amer. Math. Soc. 3 (1990), no. 2, 421–445.

[St] Stacks project.