The ﬁrst part deals with Carnap s contribution to the modal logic. The
Carnap s work is included in the historical context. His reaction to the Lewis
calculi of the strict implication is discussed and also his anticipation of the
Kripkean possible worlds semantics, which the contemporary modal logic is
based on.
The main aim of the second part was to consider some kinds of modalities.
These kinds of modalities have epistemic character because they always
depend on certain knowledge. The main result of the diploma work is the introduction
of four new logics. Their semantics is set up in the similar fashion
in which Carnap deﬁned his own modal logic. Some basic features of these
logics are shown and their axiomatization and relationship to some other
more usual logics is investigated.